City of Ramsey
Agenda
Park and Recreation Commission
Thursday, April 12, 2018
6:30 pm
Council Chambers, 7550 Sunwood Drive NW

1. Call to Order

2. Citizen Input

3. Approve Agenda

4. Approve Minutes

1. Approve March 8, 2018 Park and Recreation Meeting Minutes.

5. Commission Business

1. Review Draft Comprehensive Plan Update

2. Recommend Park Dedication for Rum River Prairie

3. Consider Park and Recreation Commission Outdoor Meeting Schedule

6. Commission/Staff Input

7. Adjournment

Park and Recreation Commission **4. 1.**

Meeting Date: 04/12/2018

Submitted For: Mark Riverblood, Engineering/Public Works

By: Marsha Weidner, Engineering/Public Works

Information

Title:

Approve March 8, 2018 Park and Recreation Meeting Minutes.

Purpose/Background:

N\A

Notification:

Observations/Alternatives:

Funding Source:

N\A

Recommendation:

Action:

Attachments

March 8, 2018 Minutes

Form Review

Inbox	Reviewed By	Date
Grant Riemer	Marsha Weidner	04/06/2018 01:19 PM
Grant Riemer	Grant Riemer	04/06/2018 01:29 PM
Form Started By: Marsha Weidner		Started On: 04/06/2018 01:09 PM
Final Approval Date: 04/06/2018		

PARK AND RECREATION COMMISSION
CITY OF RAMSEY
ANOKA COUNTY
STATE OF MINNESOTA

The Ramsey Park and Recreation Commission conducted a regular meeting on March 8, 2018, at Ramsey City Council Chambers, 7550 Sunwood Drive NW.

Commission Members Present:	Vice Chair Brandon Sis Commissioner Andrew Andrusko Commissioner Russell Bayer Commissioner Jennifer Leistico Commissioner Charles Tchuinkwa
Commission Members Absent:	Chair Shane Bennett Commissioner Jon Trappen
Also Present:	Parks & Assistant Public Works Superintendent Mark Riverblood

1. CALL TO ORDER

Vice Chair Sis called the Park and Recreation Commission meeting to order at 6:30 p.m.

2. CITIZEN INPUT

None.

3. APPROVE AGENDA

Motion by Commissioner Andrusko, seconded by Commissioner Bayer, to approve the Park and Recreation Commission meeting agenda as presented.

Motion carried. Voting Yes: Vice Chair Sis, Commissioners Andrusko, Bayer, Leistico, Tchuinkwa. Voting No: None. Absent: Chair Bennett and Commissioner Trappen.

4. APPROVE MINUTES

4.01: Approve Park and Recreation Commission Meeting Minutes

Motion by Commissioner Andrusko, seconded by Commissioner Leistico, to approve the following Park and Recreation Commission Regular Meeting Minutes, as presented:

1) Park and Recreation Commission Regular Meeting Minutes dated February 8, 2018.

Motion carried. Voting Yes: Vice Chair Sis, Commissioners Andrusko, Leistico, Bayer, Tchuinkwa. Voting No: None. Absent: Chair Bennett and Commissioner Trappen.

5. COMMISSION BUSINESS

5.01: Recap – 2017 Photo Contest

Parks & Assistant Public Works Superintendent Riverblood reported that the 2017 photo contest winners were awarded on February 28th, and he highlighted the various categories in the photo contest. The Commission congratulated the participants for their talent and excellent contributions to the contest.

5.02: Consider New Recreational Amenity – Proposal by Girl Scout Troop #15293

Representatives of Girl Scouts Troop #15293 gave a brief presentation on their initiative to help build a gaga ball pit in North Commons Park. Pictures of gaga ball pit were presented to the Commission.

In response to questions from the Commission, the Girl Scouts representatives explained the diagram shows 8-foot-wide sections of wood walls, in the shape of an octagon. Additionally, gates would be added for entry and exit, which will make the pit ADA accessible. It was described as a game appropriate for multiple ages to play together, from young children to older teens.

Vice Chair Sis asked about the proposed timeline for the gaga ball pit.

The Girl Scouts representatives explained the materials will be gathered by June, and construction should take a couple of days.

Parks & Assistant Public Works Superintendent Riverblood added that maintenance staff will be able to use push mowers to maintain the grass. The octagon could also be relocated if the grass becomes damaged due to heavy usage. He commented that this will be a good companion piece to the playground for younger children.

Vice Chair Sis noted the City has been asked to contribute $500 from the City's Lawful Gambling Improvement Fund towards the gaga ball pit, with remaining funds to be raised by the Girl Scouts Troop.

Motion by Commissioner Andrusko, seconded by Commissioner Bayer, to recommend to the City Council that $500 from the City's Lawful Gambling Improvement Fund, be appropriated as a match to fund a Gaga Ball Pit, constructed by volunteers at North Commons Park.

Motion carried. Voting Yes: Vice Chair Sis, Commissioners Andrusko, Bayer, Leistico, Tchuinkwa. Voting No: None. Absent: Chair Bennett and Commissioner Trappen.

Mr. Riverblood added that the Lawful Gambling Improvement Fund is established from a small fee off pull tabs in the City. Those funds can be used for primarily recreational or nonprofit uses. This program has been in existence for more than two decades and is intended to address small projects, especially those that have a match of labor or cash. The Girls Scouts project met the terms of the program ideally. It is a neat way to leverage interest in a unique recreation and have a funding source for it. This funding recommendation will go to the City Council this spring.

In response to a question by Vice Chair Sis, Mr. Riverblood explained that the program is intended to be capped at $5,000. Thus, $4,500 is still available for 2018.

5.03: Recommend 2018 Parks Capital Improvement Project(s)

Parks & Assistant Public Works Superintendent Riverblood introduced the Parks Capital Improvement program, which is a 10-year listing of projects in the City. The City Council adopts the capital improvement program in December or January, and then the year's projects (2018) come forward individually for project development or construction. Under consideration is a selection of park projects that are ready to move forward for further development. The Commission may choose to advance all of them now, one at a time, or one or two at a time, based upon the individual projects. Once a project is approved by the Park and Rec Commission, it advances to the City Council.

Mr. Riverblood provided an overview of five proposed projects:

- Replace fencing and dugouts (#5-7) at Central Park, at an estimated cost of $75,000
    - Dugouts, netting, replacing some fencing, and adding a concrete maintenance strip under the backstops and sideline fences
- Sunfish Lake Phase 2 Parking Lot at an estimated cost of less than $30,000
- Central Park – Football Field Enhancements at an estimated cost of $15,000
    - Drainage and grading modifications to the football field, between ballfields #3 & 4
- Amphitheater Lighting at an estimated cost of $40,000
    - Lighting enhancements and audio conduits at The Draw
- Aeration for Sunfish Lake and The Draw at an estimated cost of $40,000
    - Two separate aeration systems at The Draw and Sunfish Lake. Elements include contracted installation, electrical power supply, signing, permitting and public notification

Mr. Riverblood added that the funding comes from a fee charged to new developments in Ramsey. The aeration system may qualify for funding from the Lawful Gambling Improvement Fund, which has to be youth-oriented or non-profit. This may fall in that category, as it is used so heavily by youth.

Vice Chair Sis commented this is a worthy list of projects.

Commissioner Bayer asked about the depth of the ice on the pond at The Draw.

Mr. Riverblood stated the max water is 6 feet. The ice depth varies, but it can be between 12 and 18 inches.

Mr. Riverblood noted that the idea of collecting a couple of hundred dead fish is also a factor in this project. The aeration will also help with reducing the amount of algae in the summer.

Commissioner Andrusko asked about the Parks CIP, and whether these are projects in addition to those projects already programmed.

Mr. Riverblood clarified that the Parks CIP contains ten years of projects lined up. The next year (2018) are projects pretty certain to move forward this year. The five projects just covered are just a partial list. These are the ones ready for development. The Park trust fund currently has $2 million in it. Tonight, the Commission would be recommending that the projects move forward for development or construction.

Vice Chair Sis asked whether staff has had a discussion with ARAA regarding facilities that are co-utilized.

Mr. Riverblood responded affirmatively. Staff asked ARAA to prioritize the projects, and that was reaffirmed in March 1, 2018. Their top priority was improvements to ballfield 5 and 6 in the baseball field at Central Park. The second priority was to fill the swale in the football fields (#2). and another project was to solve for the drainage concerns at Elmcrest Park after big rain events that occur before tournaments. There is currently no solution for that one.

Commissioner Andrusko inquired whether additional projects will come in before the end of 2018.

Mr. Riverblood responded a few more of the 2018 projects will likely come forward. Some projects require development, and then they might be bid on in 2019. With the ballfields, they will happen this year. The aeration might get pushed out a little bit. The amphitheater might even be bifurcated where audio is provided and the lighting is resolved in 2019. These are sometimes placeholders, but they are authorizing staff to get the Council's approval.

Motion by Commissioner Bayer, seconded by Commissioner Tchuinkwa, to recommend to City Council that the five park projects proceed for development/construction, at a not-to-exceed amount and funding source specified within the Capital Improvement Plan worksheets.

Motion carried. Voting Yes: Vice Chair Sis, Commissioners Bayer, Tchuinkwa, Andrusko, Leistico. Voting No: None. Absent: Chair Bennett and Commissioner Trappen.

5.04: Check in – Schematic Design Process for Municipal Plaza and the Water-Centric Park in The COR

Parks & Assistant Public Works Superintendent Riverblood reported that in 2016 the schematic design was agreed upon for Municipal Plaza ($3.5 million) and the Water-Centric Park ($6 million). Tonight, the purpose is to provide an update on concept-level park planning as it moves into schematic design to be sure the Park and Rec Commission concurs these are the best ideas.

Mr. Riverblood presented several slides showing aerial, overhead, and street level views of both the Municipal Plaza and the proposed Water-Centric Park. He commented that once The COR is built out, wayfinding will become not an obstacle, but rather an opportunity for people to describe where they will meet at the park. He pointed out the hardscape, the plaza, landscaping, the pedestrian way, parkland, parking, and more. He recalled previous discussions about "fire and ice" which would constitute little hearths with gas lights, alongside some ice skating. He also showed a proposed area for a "forest walk," as well as proposed picnic areas. He pointed out boulevards with trees. He pointed out that once the pond shape, depth and topography identified, staff will know the value of the fill sand, which may be worth tens of thousands of dollars. When the City goes in to dig, it will only have to be done once. Mobilization to move soil around is a big cost. That can be $5,000 to $50,000, so the City only wants to do it once. There will also be a loop trail around the lake. He noted municipal pools are expensive, but wading pools are a different experience. There will also be a pavilion space, restrooms, and concession stand. There will also be cabanas with umbrellas, able to be reserved.

In response to a question by Commissioner Andrusko, Mr. Riverblood emphasized this will be a great place to host parties of all size, possibly even weddings, which would help with the revenue stream.

Mr. Riverblood discussed the water elements, the boardwalk, and the plaza overlooking the pond.

Vice Chair Sis and the Commissioners expressed support and excitement for the ideas and vision presented.

Commission Andrusko noted the plan reminds him of the Macnamara Alumni Center at the University of Minnesota campus.

Vice Chair Sis noted the plan lines up with the desire to be very nature-centric in Ramsey.

Mr. Riverblood recalled the staff report reflects the years of public engagement. People want a lot of feel of natural resources, even in the downtown area. Staff appreciates the opportunity to do some interpretation in the park.

Mr. Riverblood invited further feedback from the public about the plans.

Commissioner Tchuinkwa asked about the previous public input.

Mr. Riverblood listed the various outreach efforts by the City over the past couple of years. He noted that one overwhelming point of feedback is a desire for a splash pad.

Vice Chair Sis asked about the timeframe going forward.

Mr. Riverblood responded the schematic design has to be completed. At the same time as the City is completing the Parks system plan, priorities will be identified and various financing options will be sought.

6. COMMISSION/STAFF INPUT

Parks & Assistant Public Works Superintendent Riverblood provided an update on the Comp Plan, a copy of which he handed out to the Commissioners. He is looking for input from the Commission in April at the regularly scheduled meeting. April 9th will be the last piece of formal community engagement, after which it will go to the Park and Rec Commission and then the Council for review.

Mr. Riverblood provided a brief update on the realignment of the Central Anoka County Regional Trail, noting the Council recommended approval of the realignment. It will now go before the Parks Committee of the Anoka County Board and the larger County Board in April and then on to the Met Council offices for consideration.

Mr. Riverblood also wrapped up with a final tally on the skating seasons. Up until the last couple weeks, attendance figures were looking dismal, but the final figures were on par with the last three-year average: 3,817 persons. However, the overall trend is significantly down, as the season totals used to be 5,000 to 7,000 persons.

7. ADJOURNMENT

Motion by Commissioner Bayer, seconded by Commissioner Andrusko, to adjourn the meeting.

Motion carried. Voting Yes: Vice Chair Sis, Commissioners Bayer, Andrusko, Leistico, Tchuinkwa. Voting No: None. Absent: Chair Bennett and Commission Trappen.

The Park and Recreation Commission meeting adjourned at 7:52 p.m.

Respectfully submitted,

_____

Mark Riverblood
Parks & Assistant Public Works Superintendent

Drafted by Allison Burr
TimeSaver off Site Secretarial, Inc.

Park and Recreation Commission **5. 1.**

Meeting Date: 04/12/2018

By: Mark Riverblood, Engineering/Public Works

Information

Title:

Review Draft Comprehensive Plan Update

Purpose/Background:

Background

Every ten (10) years, the City is required (as all metropolitan area communities are) to submit a Comprehensive Plan to the Metropolitan Council for review and approval. Regardless of the statutory requirements, there were a number of planning projects and updates that warranted updates to the City's long-range vision (20 years). The City has seen significant benefit in terms of securing outside funding and community consensus by having a clear vision for our community. This long-range planning also helps plan and prioritize for larger capital items such as transportation improvements, utilities, parks, trails, etc. With a limited amount of resources, it is important to plan and prioritize these important capital investments.

Purpose

The Purpose of this case is for the Commission to provide comment at this stage of the refinement to the Parks, Recreation and Open Space Chapter (noting that the Commission has been engaged in this process for over a year). The attached Parks' chapter may be considered a 90% draft. The focus has been organization and content. The document will be formatted and last refinements made prior to final approval.

Additionally, within attached draft chapter is an element entitled '2030 Plan Accomplishments.' A portion reads: *"While the question might be rhetorical in nature, it is asked, 'Why do a Comprehensive Plan?' One answer is, because the Comprehensive Plan is so well vetted by policy makers and the community's engagement and participation—only true priorities make it into the Plan, and so those goals and strategies identified, become the City's work plan and focus for the coming years."* What follows is a listing of some of the accomplishments of the city's most recent (and current) Comprehensive Plan—which further illustrates the purpose of the Parks, Recreation and Open Space Chapter of the Comprehensive Plan.

Notification:

Notification is not required at this stage. The City has hosted a variety of public engagement opportunities in person and online over the past two (2) years, in addition to two direct mailings to all households in Ramsey.

Near term/Upcoming Meetings for Review of the entire Comprehensive Plan (not just the Parks' Chapter):

April 9 Public Workshop
May 3 Planning Commission
May 22 City Council (authorize for distribution/comment)
December 6 Planning Commission
December 11 City Council (approve final draft for Metropolitan Council)
Early 2019 Planning Commission and City Council (adopt Final Plan)

Observations/Alternatives:

The next major milestone is intended to send the entire draft Comprehensive Plan document for adjacent community review, as required. Adjacent communities are allowed six (6) months to comment. In order to make the December 31, 2018 submittal deadline to the Metropolitan Council, the draft plan must be sent for comment by the end of May. **The document will be able to be updated throughout this adjacent review period.**

For more information on the update, visit www.cityoframsey.com/ramsey2040.

Funding Source:

This case is being handled as part of normal Staff duties. Assistance on various Chapters is provided by WSB Associates, Bolton and Menk, and LHB/Bruce Jacobson. Funding for these services is provided through the General Fund as part of Departmental Professional Services Budgets.

Additionally, the City received a $32,000 Planning Grant from the Metropolitan Council for aide in the completion of the update.

Recommendation:

Staff recommends approval of the draft Parks, Recreation and Open Space Chapter, noting that (the document will be able to be updated throughout this adjacent review period).

Action:

Based upon discussion, motion to approve the draft Parks, Recreation and Open Space Chapter.

Attachments

Community Profile

Parks' chapter

Form Review

Inbox	Reviewed By	Date
Grant Riemer	Grant Riemer	04/05/2018 03:03 PM
Form Started By: Mark Riverblood		Started On: 04/05/2018 01:26 PM
Final Approval Date: 04/05/2018		

City of Ramsey 2040 Comprehensive Plan Update

Community Profile

Background on this Document

This document is a draft of the narrative to be used in the 2040 Comprehensive Plan Update. This is not a final version or actual layout. This document will be reviewed and revised multiple times. The City will try to add additional maps and figures to better tell the story of this vision.

The Community

Located in the northwest Twin Cities Metro, the City of Ramsey boasts incredible outdoor recreation opportunities, a growing downtown in Ramsey COR, an impressive manufacturing sector, and a strong local government.

The City of Ramsey has experienced steady growth and development over the past 20 years. This trend is expected to continue as the City has over 1,000 acres of developable land in the COR located near U.S. Highway 10.

Our Neighborhoods

Ramsey's neighborhoods make up the fabric of our community and define the balance of Rural Character and Urban Development. Each neighborhood is uniquely connected to a variety of services.

Ramsey is a great place to live!

Ramsey boasts a robust recreation system, high-quality affordable housing, great jobs, and living wages.

Ramsey is a great place to locate a business!

Ramsey strives to provide high-quality, cost-effective government services while balancing a low tax rate. Ramsey.

DRAFT

City of RAMSEY

Snapshot of the City 2017

ABOUT OUR CITY

Population Trends[2]

1970	2,360
1980	10,093
1990	12,408
2000	18,510
2010	23,668
2020	26,400[3]

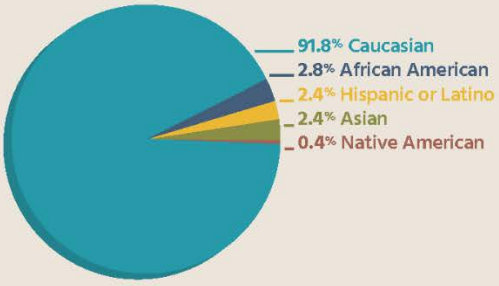
#1 Community priority is to protect the balance of rural character and new development[14]

#2 Second fastest growing city in Anoka County[1]

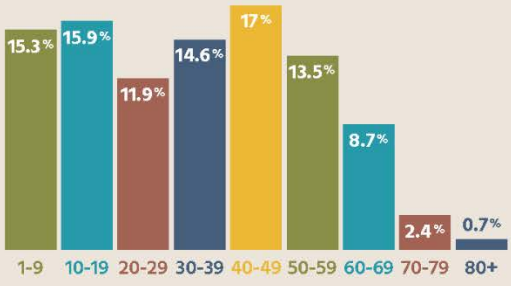


WHO WE ARE

Race and Ethnicity[4]



Population by Age[4]



Additional Demographics

49.7% Female[4]

50.3% Male[4]

34.9 Median age[4]

$86,794 Median household income[5]

4.5% Born outside of US[5]

7.6% Speak a language other than English at home[5]

City of RAMSEY

Snapshot of the City 2017

WHAT WE HAVE

5.6k Acres of undeveloped land[9]

8k Acres of developed land[9]

1k+ Acres of developable land[1]

15+% of land is protected wetland[10]

17+ Miles of shoreline[8]

50+ Miles of trail[7]

32 Parks[6]



HOW WE LIVE AND WORK

9,158 Total Number of Housing Units[4]

6,776 Single family detached

1,438 Townhome

37 Duplex, triple, quad

823 Multifamily (5 units or more)

84 Manufactured home

Septic vs. Sewer

4,000 Housing units on septic[13]

5,158 Housing units on sewer[13]

Employment

470 Places of work[11]

6,334 Number of jobs in Ramsey[12]

1. City of Ramsey Developers Document | 2. Decennial Census (1970, '80, '90, 2000, '10) | 3. Metropolitan Council Population, Households and Employment Forecast | 4. 2010 census
5. 2011 American Community Survey | 6. 2017 Ramsey New Residents Packet | 7. City of Ramsey Parks Department | 8. Google earth
9. Metropolitan Council Generalized Land Use Historical Data Set | 10. City of Ramsey Parks and Recreation webpage | 11. 2012 Economic Census
12. 2016 Quarterly Census of Employment and Wages – second quarter | 13. Rick Jarson, Ramsey Building Official | 14. City Comprehensive Plan Community Engagement

Forecasted Growth

Table 1: Forecasted Growth

	2016	2020	2030	2040
Households	8,973	9,500	11,500	13,500
Population	26,251	27,550	33,350	39,150
Employment	6,334	6,900	7,800	8,400

Ramsey acknowledges that these forecasts deviate from the approved 2040 forecasts for Ramsey. After careful consultation and analysis of recent growth trends, Ramsey requests these modifications to our 2040 Forecasts. For assistance in reviewing requested changes, the series of tables below are offered.

Requested Household Forecast Amendment

	2020	2030	2040
Published Forecast	9,400	11,300	13,000
Requested Amendment	9,600	11,500	13,500
Difference	+200	+200	+500

Requested Population Forecast Amendment

	2020	2030	2040
Published Forecast	26,400	30,700	34,700
Requested Amendment	27,550	33,350	39,150
Difference	+1,150	+2,650	+4,450

Requested Employment Forecast Amendment

	2020	2030	2040
Published Forecast	6,200	7,000	7,600
Requested Amendment	6,900	7,800	8,400
Difference	+700	+800	+800

DRAFT

The People

Population

As of the 2010 US Census, the population of Ramsey was 18,510, and the most recent estimates from the 2015 American Community Survey (ACS) put the population at 25,362. The population has steadily increased since 1990. Although the number of households in the city has increased, the number of persons per household has decreased from 3.43 in 1990 to 2.95 in 2010. According to forecasts by the Metropolitan Council, the 2040 population is projected to nearly 40,000.

Figure 1: Historical and Future Population

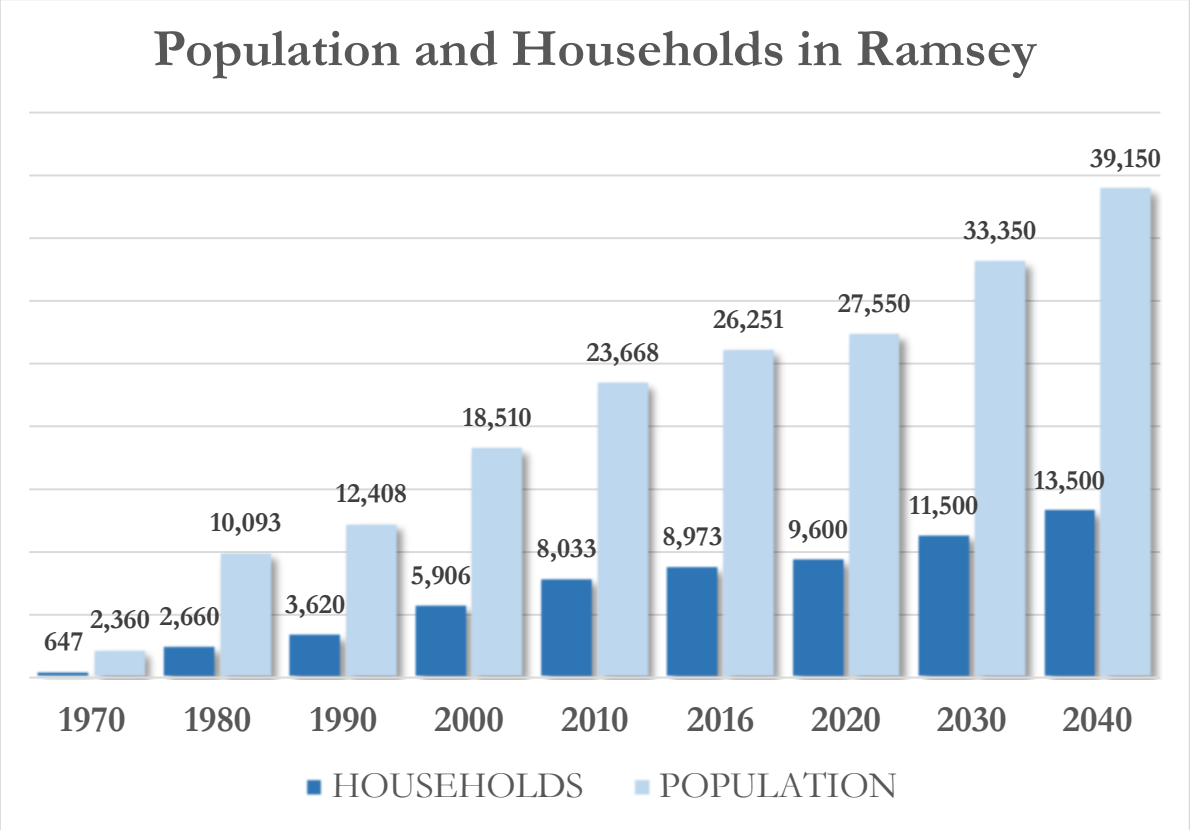
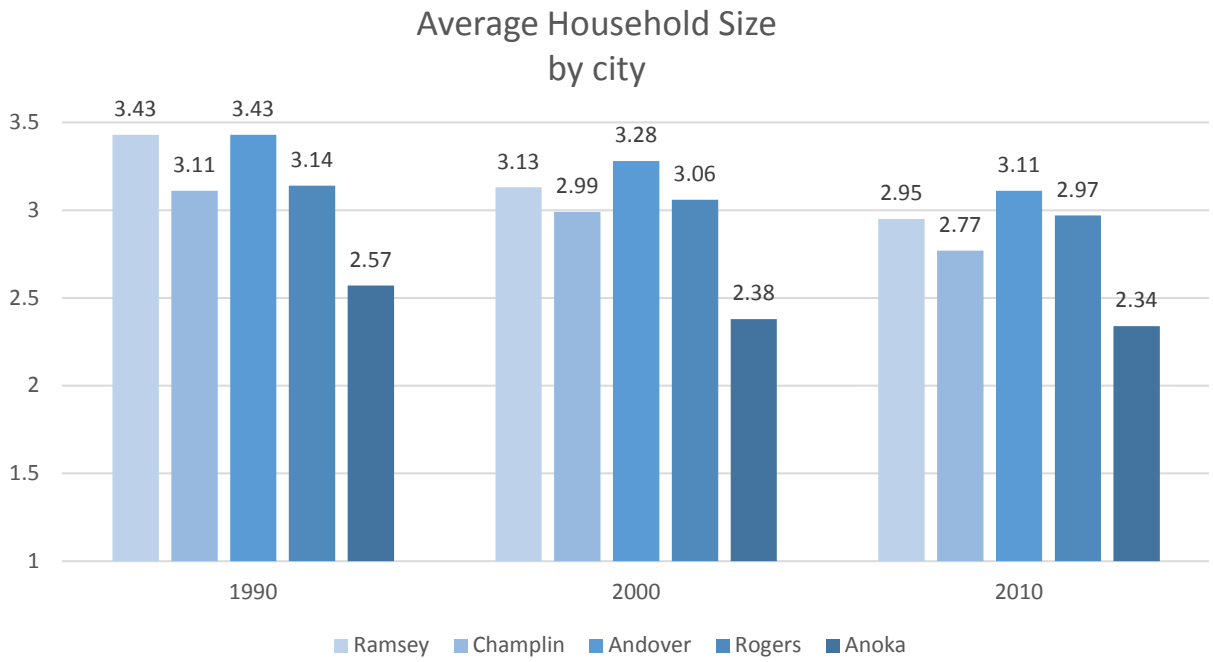


Figure 2: Average Household Size



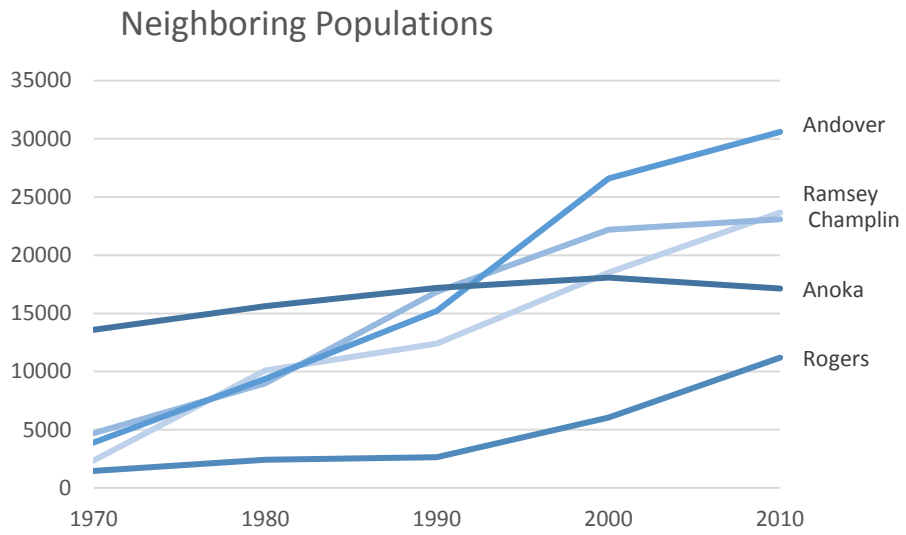
With the number of residents per household likely to continue to decline as the overall population of Ramsey ages, residential housing types will need to be accommodated through development of a variety of housing types including apartments and townhomes.

Ramsey's population experienced steady growth between 1990 and 2010, slowed from 2010 to 2015, and is projected by the Metropolitan Council to steadily increase yet again from 2020 to 2040.

As shown in Figure __-__Ramsey has been outpaced by only Andover in population growth since 1990 and has risen from to the second most populated City in the area.

DRAFT

Figure 3: Population Comparison

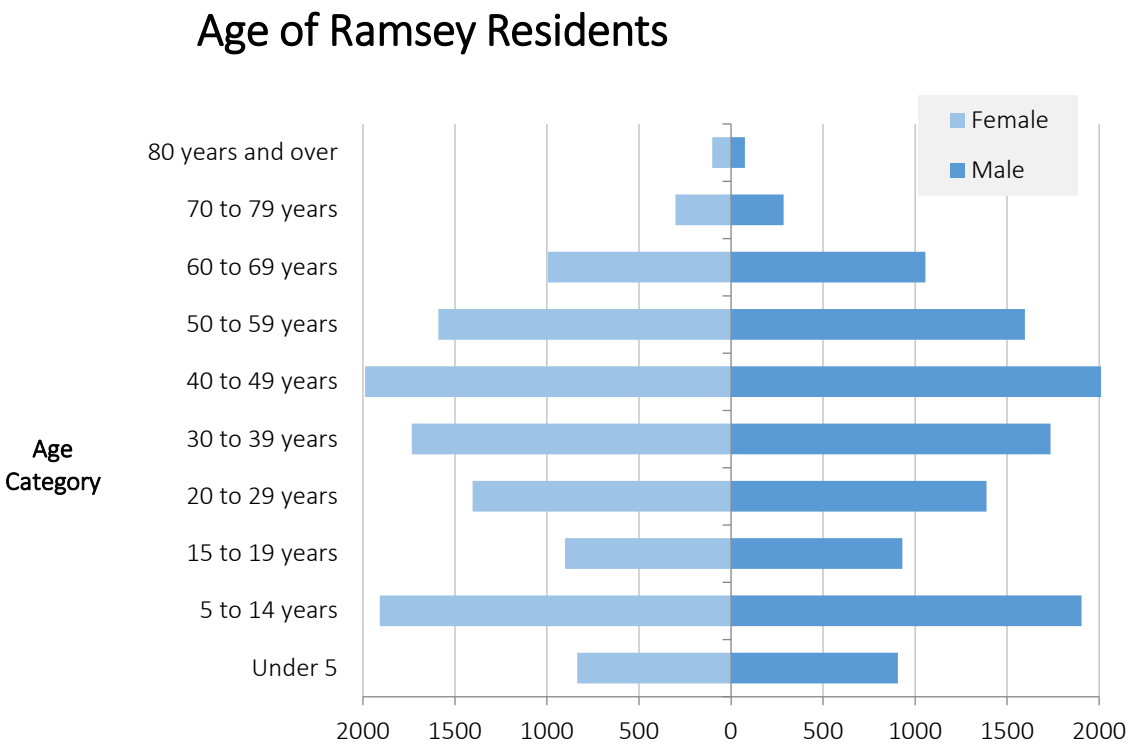


Age demographics

Consistent with most other communities across the region, Ramsey's population is aging. Figure __-__ shows that the largest segment of the population is in the 40-49 age range which is quite young compared to many other communities in the metropolitan region. It will be important for Ramsey to plan for alternative housing options for these residents as they age so that they can remain in the community. In addition, it will also remain important that Ramsey seek ways to be competitive in retaining younger residents as the data shows the second largest section of residents in the 5-14 age range.

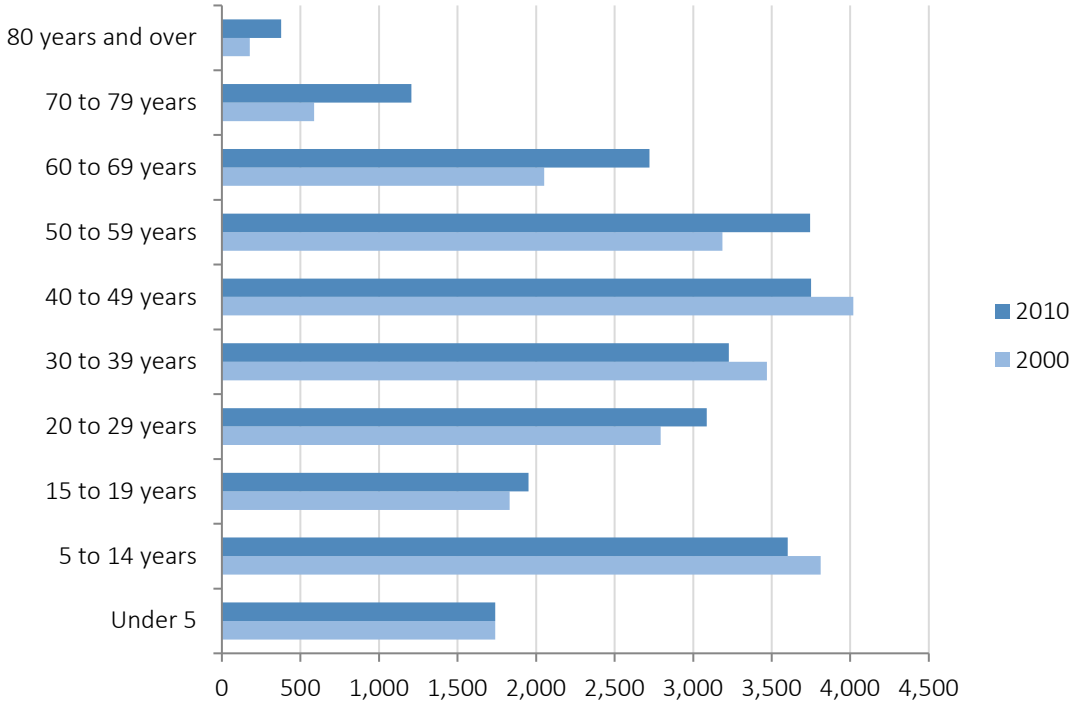
DRAFT

Figure 4: Age Distribution



Looking at the changes in age demographics from 2000 to 2010, the greatest gains were in the categories of "empty nester" adults, while there were losses in population amongst 30- to 50-year-olds. This age demographic profile helps explain Ramsey's key themes pertaining to schools, parks, and recreation.

Figure 5: Age Cohort

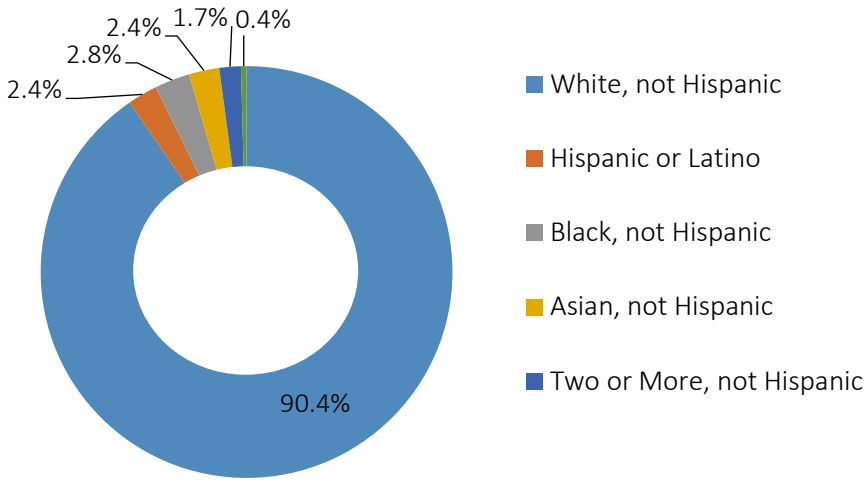


Race

At 90.4 percent, Ramsey residents are primarily white non-Hispanic individuals with the remaining 9.6% of residents being people of color. By comparison, the Twin Cities region is 24.6% residents of color, and Anoka County is 15.6% residents of color. As such, Ramsey is not diversifying at the same rate as Anoka County or the Twin Cities region. Regional trends indicate that in the Twin Cities metro area, residents of color will continue to comprise a greater share of our region's population, increasing from 24% in 2010 to 41% in 2040.

DRAFT

Figure 6: Racial Demographics



The Neighborhoods

Housing Types

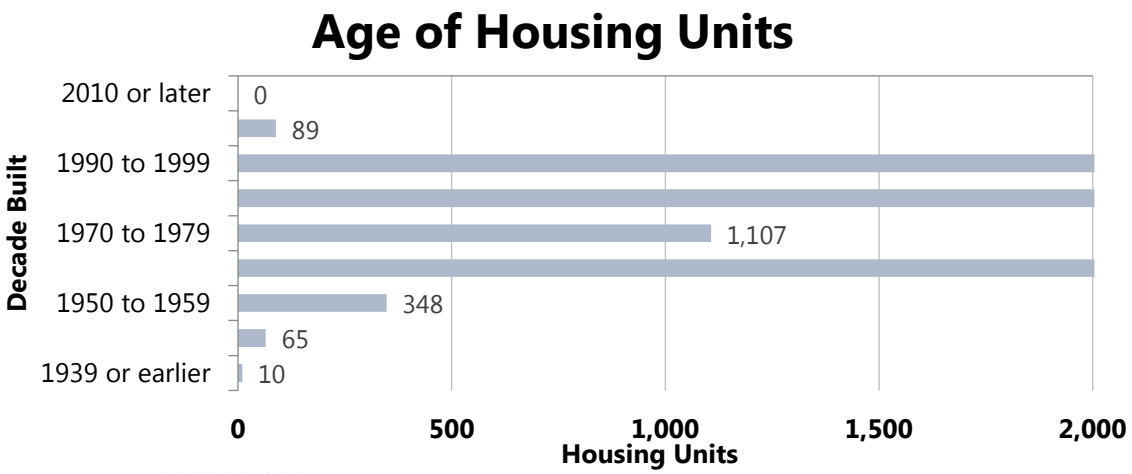
Housing is the predominant land use in Ramsey. Estimates from the Metropolitan Council indicate that there were 8,812 housing units in Ramsey in 2015. Around 75 percent of the housing units in Ramsey are single family detached homes with townhomes counting for an additional 15 percent of the total housing units.

Figure 7: Housing Type

Unit Type	Units	
Single Family Detached	6,692	75.9%
Multifamily (5 units or more)	680	7.7%
Townhomes	1403	15.9%
Duplex, triplex, quad	37	0.5%
Total:	**8,812**	100%

Source: Metropolitan Council Housing Stock Estimates (2015)

Figure 8: Age of Housing Stock

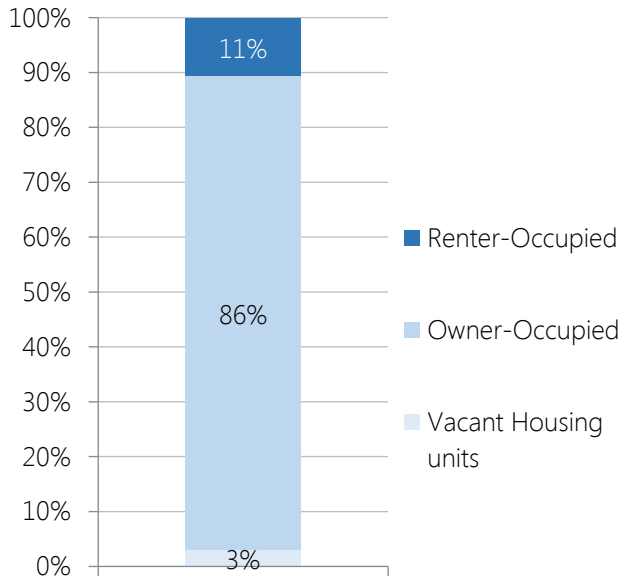


Data source: ACS 2011-2015

Housing Tenure

The City of Ramsey has a historically consistent foundation of owner-occupied housing which remains true today. Approximately 85 percent of Ramsey housing units are owner-occupied, and that percentage has remained largely the same since 1990. That percentage is higher than most of the cities surrounding Ramsey with the lowest percentage of owner-occupied housing of local communities being the City of Anoka at 52 percent.

Figure 9: Housing Tenure



The Economy

The Minnesota Department of Employment and Economic Development estimate approximately 6,150 jobs in the City of Ramsey in 2015. Average annual wages for 2015 are estimated at $46,637. A large reason for this average is likely due to the fact that manufacturing represents the largest employment industry in Ramsey at 34 percent, and these are typically living wage jobs. Anoka County as a whole has 16 percent devoted to Manufacturing.

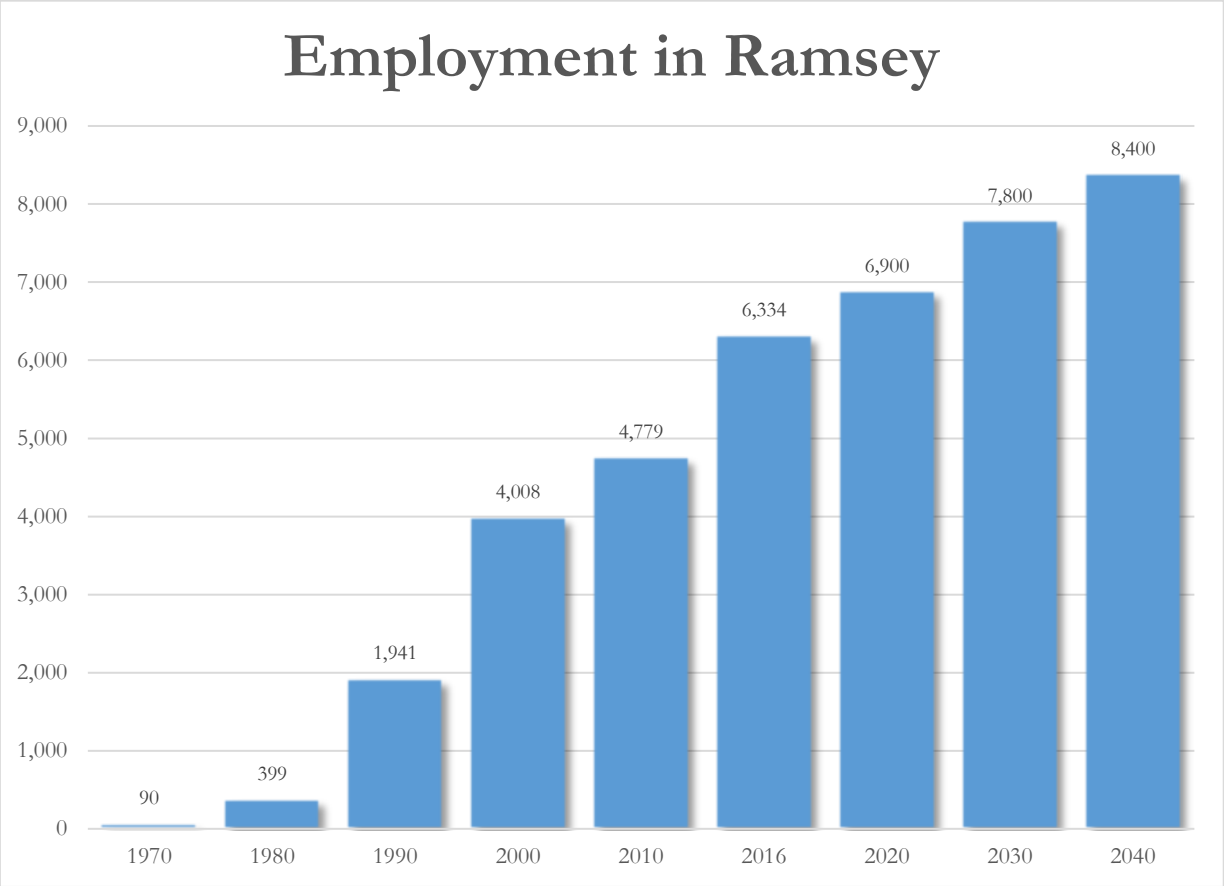
Figure 10: Jobs Located in Ramsey

Industry	Employment Total	Percentage
Retail Trade	554	9%
Health Care and Social Assistance	246	4%
Accommodation and Food Services	369	6%
Public Administration	185	3%
Manufacturing	2,091	34%
Other Services, Ex. Public Admin	308	5%
Educational Services	369	6%
Administrative and Waste Services	369	6%
Finance and Insurance	123	2%
Arts, Entertainment, and Recreation	123	2%
Information	62	1%
Wholesale Trade	308	5%
All Other Industries	1,046	17%
Total:	**6,150**	**100%**

The U.S. Highway 10 corridor is the commercial hub of Ramsey, running the length of the City. Ramsey faces the challenge of encouraging updates and redevelopment of its older and more outmoded buildings and businesses along U.S. Highway 10, while also developing greenfield properties within The COR and new business park east of Armstrong Boulevard.

Employment Forecasts

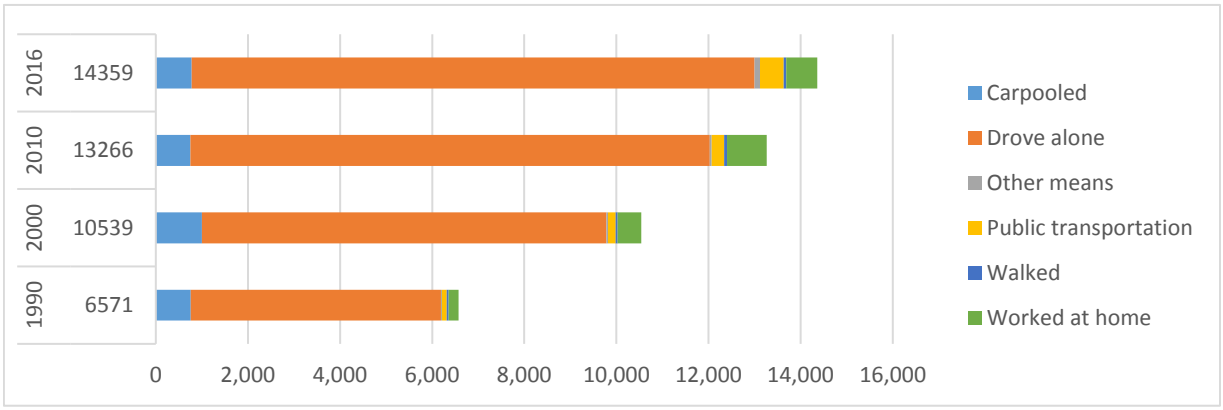
Figure 11: Employment Forecasts



Source: U.S. Census Decennial Survey, U.S. Census American Communities Survey, Metropolitan Council Forecasts

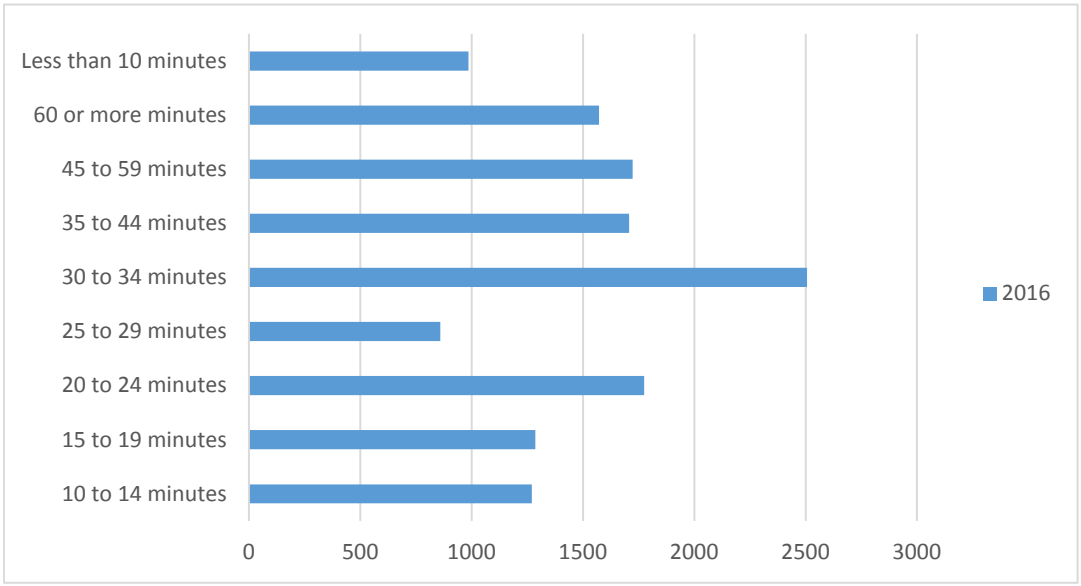
The Commute

Figure 12: Means of Commuting



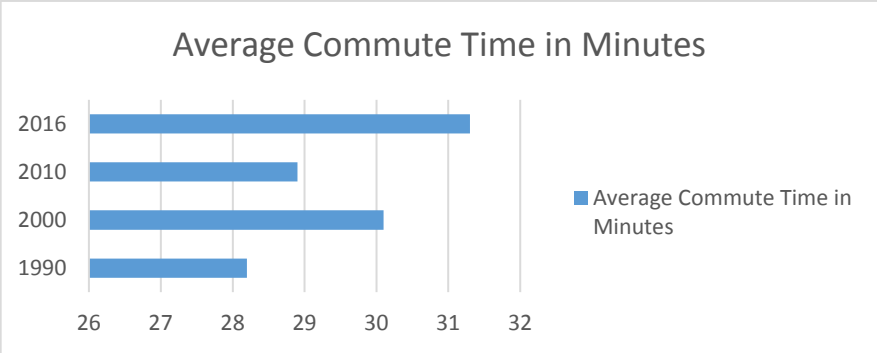
Source: U.S. Census American Communities Survey

Figure 13: Travel Time to Work



Source: U.S. Census American Communities Survey

Figure 14: Average Time to Work



Source: U.S. Census Decennial Census, U.S. Census American Communities Survey

Figure 15: Top Workplaces of Ramsey Residents

Workplace	Workers
Other	4,282
Minneapolis	1,722
Coon Rapids	1,062
Anoka	1,061
Ramsey	952
St. Paul	554
Plymouth	444
Brooklyn Park	433
Blaine	429
Fridley	425
Maple Grove	400

Figure 16: Top Residences of Ramsey Workers

Residence	Workers
Other	1,322
Ramsey	952
Coon Rapids	429
Andover	333
Anoka	280
Blaine	206
Nowthen	160
Brooklyn Park	145
Minneapolis	133
Oak Grove	121
Champlin	116

Proximity to jobs and commuting profiles are important to Ramsey's Transportation Goals and Economic Development Goals.

DRAFT

City of Ramsey 2040 Comprehensive Plan Update

Parks, Recreation, Trails, and Open Space Chapter

Background on this Document—items in red are notes to the team that will be deleted before draft is completed

Our Vision

Ramsey will evolve through citizen-driven, collaborative processes that respect the balance and connectivity between its unique urban, rural, and natural environment for current and future generations.

Goals and Strategies

The following represents goals and strategies for the management of natural resources. Subsequent chapters will include their own goals and strategies that integrate with the above. Resources above and beyond current budget approvals are indicated in the 'Additional Resources' column.

Comprehensive Plan Goals

- A Balance of Rural Character and Urban Grown
- An Active Community (Parks, Recreation, and Open Space)
- A Connected Community (Transportation)
- A Positive Learning Environment update…

Parks, Recreation, and Open Space Initiatives

A Balance of Rural and Urban Character

- Preserve and enhance continuous open space corridors.
- Balance a variety of smaller neighborhood parks and larger community parks.

An Active Community

- Expand opportunities for community recreation programming.
- Expand recreation opportunities for aging population.
- Ensure equitable access to recreation programs and facilities.

A Connected Community

- Ensure connected regional and local parks and open spaces.
- Coordinated planning efforts across multiple jurisdictions.

A Positive Learning Environment

- Maximize joint use facilities and recreation opportunities.
- Strengthen relationships with local youth organizations.

DRAFT

Parks, Recreation, and Open Space Introduction

Today, parks, trails, and natural open spaces are recognized as vital to the quality of life in Ramsey and in many ways define the community. In some ways, Ramsey's park system emerged from the conversion of agricultural land to suburban in the 1970's with small park areas—often just open space, dedicated with these subdivisions. The first prominent park was created in the early 1980's, largely to meet the demand for youth athletics' play fields. Central Park was envisioned as a community park, continues to serve this purpose today and is still viewed as Ramsey's flagship park. In the 1990's trails were added to Ramsey's landscape—and these were embraced every bit as much as parks. City-wide, the *value* of parks, trails and open space continues to grow, mirroring the increasing population, and corresponding with the conversion of open space to residential uses.

Taking advantage of its unique geography, cherished natural resources, and a diversity of recreational venues, while responding to its history and recognized rural character, are both determinants and opportunities for future public realm investments in the community. The Public Realm is what gives cities and neighborhoods their identity—typically including streets, parks, plazas, trails and other amenities. This network of connected spaces supports a host of broader city goals, sets the stage for ongoing *quality* development, and at the same time; promotes Community Parks and Trails, Regional Parks and The COR, to become a vibrant, dynamic, must-experience destinations.

Remaking infrastructure (including public space), as Ramsey develops a stewardship plan for a three decade-old 'built' park system, invites an opportunity to promote innovative design strategies that embrace the challenges of a growing city. Ramsey also has a bounty of natural resources to build upon, as in the instance of one of the most renowned rivers in the world. Indeed, both the Mississippi River and Rum River are significant water resources, and both part of the State's Wild and Scenic Rivers system that literally define the borders of the community. These two rivers are also state designated canoe routes, or recreational water trails—reconnecting residents through parks and trails, connects us to our past—as well as our future.

Another relevant stream is Trott Brook with its associated wetlands and uplands, representing a natural greenway spanning the northern 1/3rd of the city. Ramsey by area is also more than 17% wetlands of varying types and classes. Of the many wetland complexes, some have valuable oak and other forested areas in association, providing people opportunities to both live and recreate in these natural settings. These layers of habitat are valuable vestiges for the wildlife that residents embrace and enjoy. The greenway system referred to as the Circle of Ramsey—with Trott Brook the primary element, will inspire people to move within their community and will help restore ecological connectivity at the same time.

Exploring opportunities to reconnect all these valuable resources, to re-establish the continuity, functionality and beauty of these systems through a city-wide greenway will serve as an expression of Ramsey's history, physical character and community identity.

People also want safe and enjoyable places that meet a range of recreational needs, providing both indoor/outdoor venues, supporting programmed or spontaneous activities. However, Ramsey will

DRAFT

not be 'locked in' to an auto-centric environment as the only means to access parks and destinations, but rather, view the opportunity when thinking about parks and the public realm to creating a community that invites bicycling and pedestrians, to experience the city via greenways that connect neighborhoods, amenities and destinations.

Healthy, thriving cities invariably contain significant civic components that celebrate the "publicness" of place—yielding measurable returns; economic, environmental, and social—this Comprehensive Plan highlights the investments in the Park, Trail, and Recreation and Open Space system that will pay dividends for generations to come.

2030 Plan Accomplishments

While the question might be rhetorical in nature, it is asked, ***'Why do a Comprehensive Plan?'*** One answer is, because the Comprehensive Plan is so well vetted by policy makers and the community's engagement and participation—only true priorities make it into the Plan, and so those goals and strategies identified, become the City's work plan and focus for the coming years. The following are a sampling of goals and strategies from the Parks, Recreation, Trails and Open Space Chapter of the 2030 Plan that have been realized from the community's plan:

- ***'Establish a regional trail along the Mississippi River'***
  Status: The City of Ramsey has completed construction of the Mississippi River Trail from King's Island in the City of Anoka to city limits at the border with Elk River.

- ***'Improve coordination of park and trail planning within City and adjacent communities'***
  Status: Ramsey's Council meets with neighboring Councils regularly, which has resulted in collaboration on the above trail project with the City of Anoka.

- ***'Design for connectivity with local and regional parks'***
  Status: The concept for the Circle of Ramsey emerged to address this goal with much of the greenway that encircles the community, now in place today.

- ***'Develop a Trott Brook Trail Corridor'***
  Status: A quarter mile long boardwalk that will be constructed in the Spring of 2018, will complete the Trott Brook Trail between Variolite Street and Nowthen Boulevard.

- ***'Explore providing pedestrian access from the Mississippi River to the north side of Highway 10'***
  Status: The skyway over Veteran's Drive was completed with the 2012 construction of the Northstar Rail Station. More recently a private landowner granted the 'touchdown' location (valued at $100,000) for the proposed pedestrian bridge referred to as the Mississippi

DRAFT

Skyway. In 2014, the City secured $490,000 from the National Park Service, and completed the Final Plans and Specifications—for a project that is shovel ready.

- ***'Minimize at-grade crossings of trails and roads and other interactions between trail users and automobiles, with underpasses or overpasses'***
  Status: See above. In addition to the underpass constructed below T.H #47 with the second phase of Elmcrest Park's development—a realignment of the Central Anoka County Regional Trail is underway to be routed *from* Ramsey Boulevard, through The COR and *over* both the rail road tracks and Hwy #10.

- ***'Seek out alliances and partnerships with non-profit and governmental agencies to assist in securing funding and other resources that will assist in implementing the park and trail plan'***
  Status: Ramsey has secured well in excess of $2 million dollars from governmental agencies for park and trail construction in recent years. In 2017, an alliance with the Mississippi River Park Connection (a non-profit) and Recreational Equipment Incorporated (REI) funded a new recreational opportunity for Ramsey, canoe campsites on the Mississippi River. This was implemented by a partnership with Anoka County and Ramsey Parks, MN DNR and Conservation Corps Minnesota.

- ***'Work with the schools and community organizations to plan for athletic fields and facilities that will accommodate the growing community'***
  Status: The City is working closely with the School District #11 on the new elementary school (2018-19 construction) which will have several outdoor facilities, as well as trail connections to the adjoining neighborhoods. Additionally, the City and the Anoka Ramsey Athletic Association have a strong partnership in both planning for, and renovating and developing fields and facilities to meet increasing demands.

- ***'Study the need for a Community Center that offers a variety of recreational uses for all age groups'***
  Status: Through the Resilient Communities Program partnership with the University of Minnesota, the City is organizing a number of different evaluations on how a Community Center may be structured to meet the future needs of residents. These studies will inform City Council on the way forward, with this discussion expected to occur later in 2018.

Public Engagement

Since the early 1990's the City has purposely and consciously engaged residents in their neighborhood park planning with good success—creating ownership in their public spaces. More recently, the City of Ramsey has undertaken a variety of engagement efforts, city-wide that directly and indirectly impact decision making about the park system. The responses to all those efforts have highlighted the importance of parks, recreation, trails, and open space on the quality of life in Ramsey. Access to

DRAFT

parks and trails, coupled with high-quality open space—even if only visually, evokes a sense of rural character and is a significant reason that people choose to live and invest in the community and thus, parks, trails greenways should remain a priority for on-going municipal investment.

As part of the specific engagement effort for this Comprehensive Plan Update, the City of Ramsey has held several meetings and workshops, along with other engagement tools. The feedback about the park system during this process has been similar to what was provided at other efforts, but more focused on how the park system interfaces with other elements of the Comprehensive Plan, such as Land Use and Housing. Specifically, we have heard Ramsey should:

- Prioritize preservation along Trott Brook.
- Begin addressing reconstruction of aging/existing parks.
- Develop a plan for filling in trail gaps in the community—especially in the northern tier of the community, and along arterial roadways.
- Find a balance in investment between larger Community Parks and Neighborhood Parks.
    - A few of our newer subdivisions are asking for parks to be included within their new neighborhood.
    - Many existing neighborhoods desire updating of playstructures—some less than 15 years old, some exceedingly beyond their useful life.
- Preserve open space along the Mississippi River as a priority.
- Focus new park efforts on
    - Future Community Park #6 (north central portions of the city)
    - The COR (at the top of the list is a splash pad/water recreation)
    - Lake Itasca Park (natural resource-based development, lake access and the proposed Lake Itasca Greenway—connecting The COR)

There were related comments with more of a focus on Ramsey's ecological resources, such as "Protect Mississippi River and Rum River from shoreline erosion," and those comments are included in Ramsey's Natural Resources Plan.

DRAFT

Existing Parks System

Regional Parks

There are two (2) Regional Parks and two (2) Regional Trails in Ramsey.

- Central Anoka County Regional Trail
- Mississippi River Regional Trail
- Mississippi West Regional Park
- Rum River Central Regional Park

The City of Ramsey is unique and fortunate in that it has two county parks within its boundaries that are a part of the Metropolitan Council's regional system. Rum River Central Park is 434 acres, 304 acres of which are in the City of Ramsey (the remaining is in the City of Oak Grove) and occupies the northeast corner of the city.

Mississippi West Park includes bluffs, wooded areas and two islands on the Mississippi River. The 273 acre park includes a small boat landing and shore fishing and in the Fall of 2017, canoe campsites were established on the islands—an amenity that is rare in the Metropolitan area— and one that provides additional recreational access to the most renown river in the nation. The camp sites required close coordination between the City, County and the MN DNR, and are an example of the success of inter-jurisdictional cooperation and planning.

In addition the aforementioned county facilities, Ramsey also benefits from the Mn/DOT Wayside Rest between Highway 10 and the Mississippi River in western Ramsey that has visitor contact building with restrooms, canoe access and picnic facilities. This site serves as a trailhead for the Mississippi River Trail that traverses from the Headwaters in Minnesota, through 10 states to New Orleans.

Local Parks

Other Recreation Opportunities

Rum River Hills Golf Course

Rum River Scout Camp (Boy Scouts of America)

The Links at Northfork Golf Course

Wayside Rest (State of Minnesota)

Map here

DRAFT

Planned Park System

Recreation Districts

It is both a rewarding and a vexing reality that most residents cherish their park system and, given the choice, would like more parks, especially near their homes. However, city leadership is continually challenged to build and manage a park system that meets those desires, yet can realistically be both funded for construction—and then adequately maintained at a responsible funding level. Currently, the overall amount of acreage devoted to Ramsey's park and open space system is over 1,800 acres, or approximately 10% of the of the City's 28 square miles. Given this large available area, the focus is on using these spaces wisely and connecting them effectively.

The gap between the desire for more parks and the stark reality of limited annual maintenance funding, calls for a strategy to plan a system of interconnected parks and trails that are reasonably and equitably distributed within the community. This strategic plan may be achieved by viewing Ramsey's park system as divided into ten 'Recreation Districts.' These districts are delineated by major roadways or other barriers and provide a means for more effective planning in determining future park needs at the scale of larger groups of neighborhoods (see map below).

A broad overview of the existing park system in Ramsey reveals a number of small, underutilized park spaces scattered throughout rural areas of the community. These low-density (or large lot) developments do not support high use of a neighborhood park system and thus can lead to inefficiencies. Larger scale community parks, which would provide park and recreation opportunities not available within private yards or large lots, would prove a more effective and efficient use of a park and recreation system for these areas, and at the same time serve both rural and urban areas of Ramsey—especially if well connected by trails or greenways.

It should be clarified that these Recreation Districts are not only a planning tool, but are an organizing structure of aggregating neighborhoods in order to interconnect them with the 'Circle of Ramsey' greenway. This greenway encircles the community, while connecting each Recreation District to each other, as well as to destinations like retail areas, schools, and workplaces.

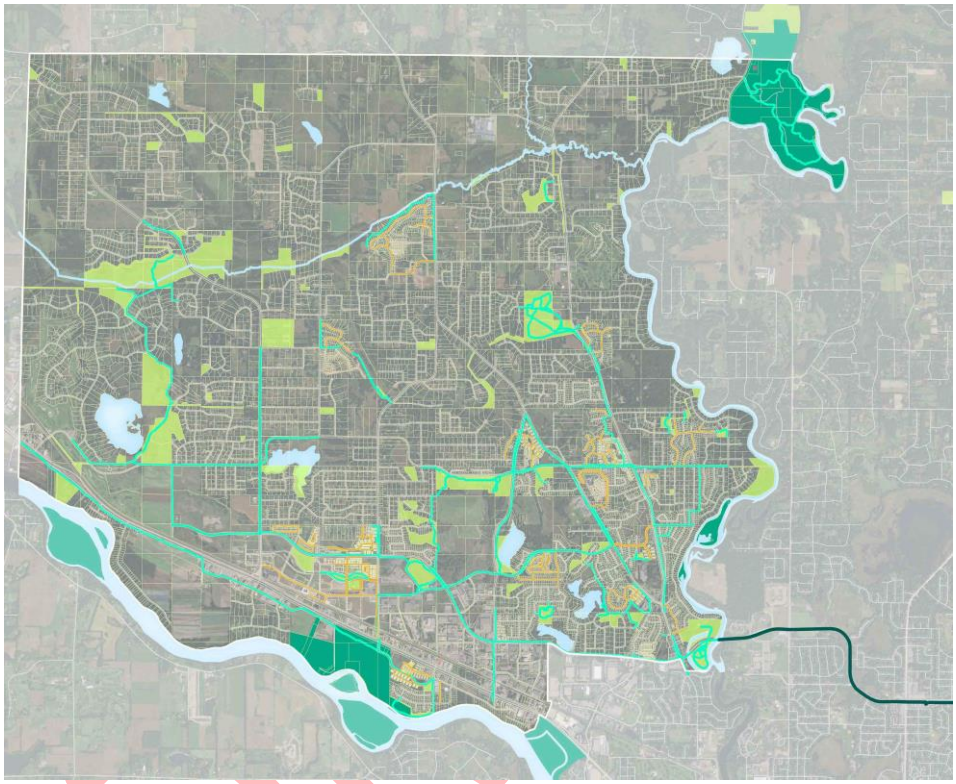
Using the structure of the Recreation Districts, it is evident that there are relatively few developed neighborhood parks in the northern third of the city. This, coupled with the need for additional spaces for a growing youth athletic program, suggests the need for a sixth community park in the north central part of the city. The remaining major emphases in the rural area of Ramsey should be, first, to provide trail connections to connect people to larger park facilities and destinations such as Central Park, Elmcrest, and Rum River Central Regional Park and, second, to preserve open space corridors consistent with a more rural land use. This approach is also consistent with the refrain heard throughout the public engagement process of the Comprehensive Plan: strive to find the "balance of rural and urban character."

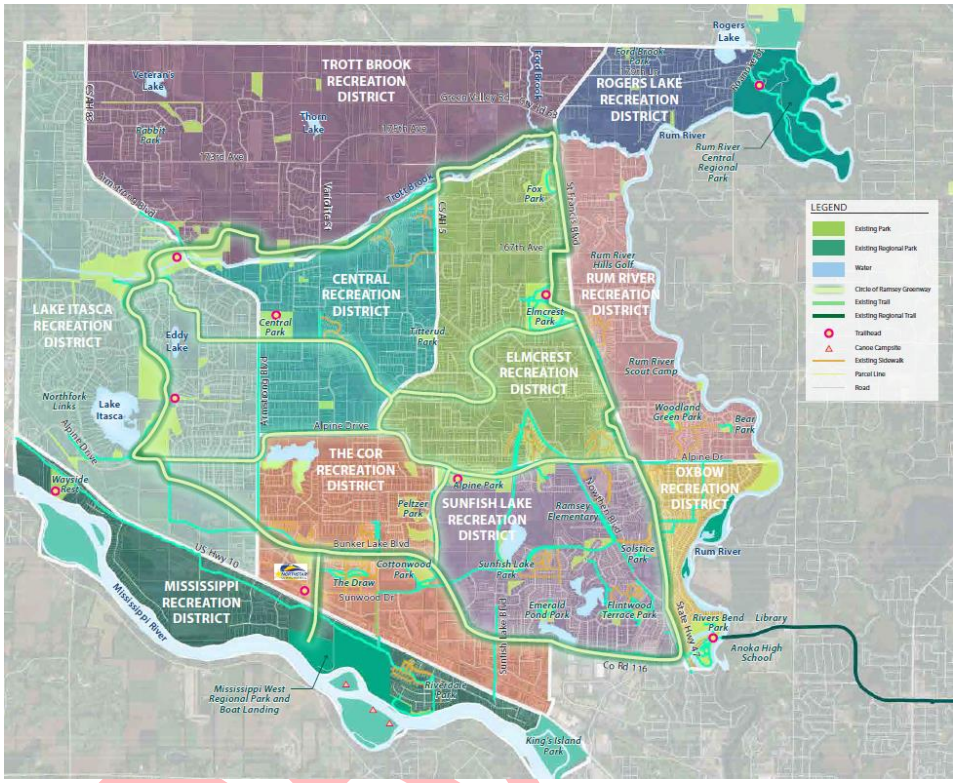
This same approach does not apply to the more urban areas of the city. Higher density development demands more parks that are within walking distance of homes and provide a greater variety of activities. It would be prudent to start more detailed planning for the provision of neighborhood parks in future urban areas as well as looking to fill gaps in existing urban developed areas. As traffic patterns become denser within the urban areas more neighborhood barriers may occur, further accentuating the need for more neighborhood park facilities. Trail, sidewalk, and greenway development is a significant element of future park planning to connect residents to the places they work, shop, and recreate. Therefore, the City must continue installing paved trails or sidewalks along all collector streets concurrent with their construction and also enhance intersections with pedestrian-friendly treatments in the more urban areas.

DRAFT

Ramsey will evolve through citizen-driven, collaborative processes that respect the balance and connectivity between its unique urban, rural, and natural environment for current and future generations.

Replace this exhibit with one with park names





In terms of significant outdoor recreation available from the private sector, Ramsey has two 18-hole golf courses open to the public; the Links at Northfork located in northwest of Lake Itasca and Rum River Hills Golf Course to the east, adjacent to the river at the 167th Avenue alignment. An additional outdoor recreation facility that is privately owned and operated but open to the public is the 160 acre Boy Scouts of America site along the Rum River. This is used for recreational camping and outdoor activities for scouts, and serves as an area of important wildlife habitat along the river. A portion of the Scout camp along the Rum River is also proposed to become a municipal park with access to the river, if the camp is ever sold for residential development.

Park Types and Classifications

Community Park

A Community Park is generally defined as a larger park (usually more than 40 acres) serving multiple neighborhoods, enhanced amenities, and with trail connections to the large area. Examples include Alpine Park, Central Park, Rivers' Bend, and Elmcrest Park.

Neighborhood Park

A Neighborhood Park is generally defined as a smaller park serving mainly an individual neighborhood, or a group of neighborhoods. Neighborhood Parks generally have less amenities.

Future Improvements

Existing Park Replacement Plan

Ramsey heard throughout the Comprehensive Plan public engagement process a desire to reinvest in existing park spaces. Through the Parks System Plan, and the associated Capital Improvements Plan, Ramsey will identify and prioritize park, trails, and open spaces in need of reinvestment.

Circle of Ramsey

Community Center

Community Park #6

Lake Itasca Park

The COR

Proposed Park and Trail Plan map here

DRAFT

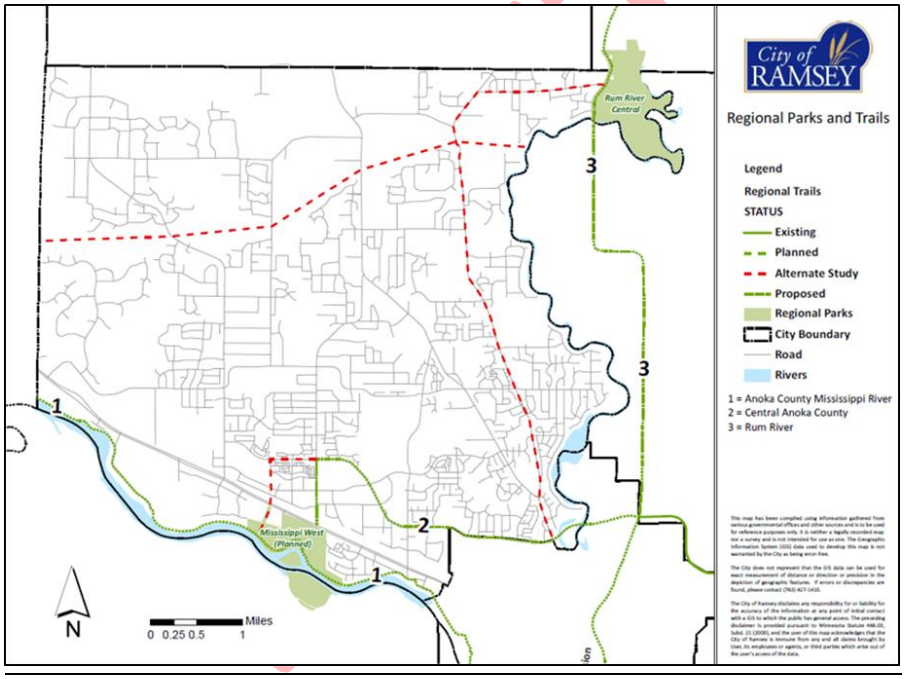
Rum River Regional Trail

Existing Planned Alignment

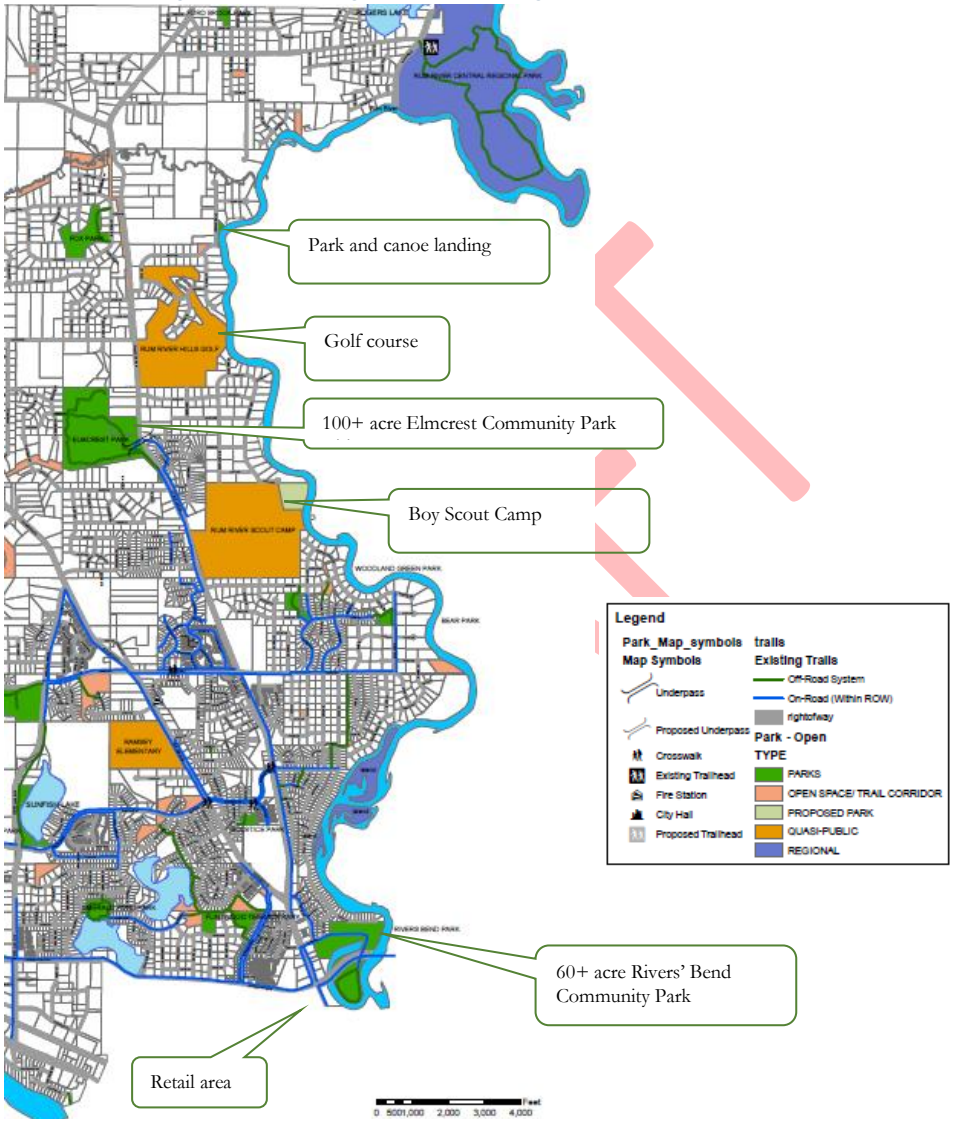
The exhibit below identifies the proposed Rum River Regional Trail as number 3 between the Central Anoka County Trail (at Bunker Lake Boulevard) and Rum River Central Park. None of the trail is in place, and presumably the intention would be for it to be constructed in the ROW of CSAH #7. CSAH #7. Better maps needed

Potential Alternative Alignment

In that there is significant and continuous trail in place on one half of the west side of the river in Ramsey, this proposal recommends an Alternative Alignment Study to see if it is in all jurisdiction's interest to shift the Rum river Regional Trail alignment to the west.



Destinations along a Potential Realigned Rum River Regional Trail

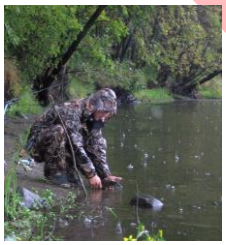


Ramsey will evolve through citizen-driven, collaborative processes that respect the balance and connectivity



Illustration of the newly completed one million dollar Elmcrest Park Community Building with public restrooms





Catch and release Smallmouth in the rain at Ramsey's canoe landing

In addition to many more parks and recreation facilities on the west side of the Rum River than the east, there is an area of retail services (restaurants etc.) that are presently accessed by trails on both sides of T. H. #47 north of the Central Anoka County Regional Trail at Bunker Lake Boulevard.

Within the **Linking Regional Trails** definitions in the 2040 Policy Plan, indicates that: "*Visitor origin data from the Council's **2008 Regional Parks and Trails Survey** indicate that regional trails in the metropolitan area are used most by people who live nearby or can reach the trail in a short bicycle trip or drive. Therefore, a priority is to develop more trail corridors in the Metropolitan Urban Service Area, where more than 90% of the population lives*".

Ramsey has many thousands of residents in the Metropolitan Urban Service Area within 1.5 miles of the proposed, realigned Rum River Regional Trail, where in Andover conversely, there are few homes that are in the MUSA, and within 1.5 miles.

In concluding, the Alternate Alignment Study would explore moving this proposed regional trail from the east side of the river to the west, (#3 from green to the red dashed line west of the Rum River above).

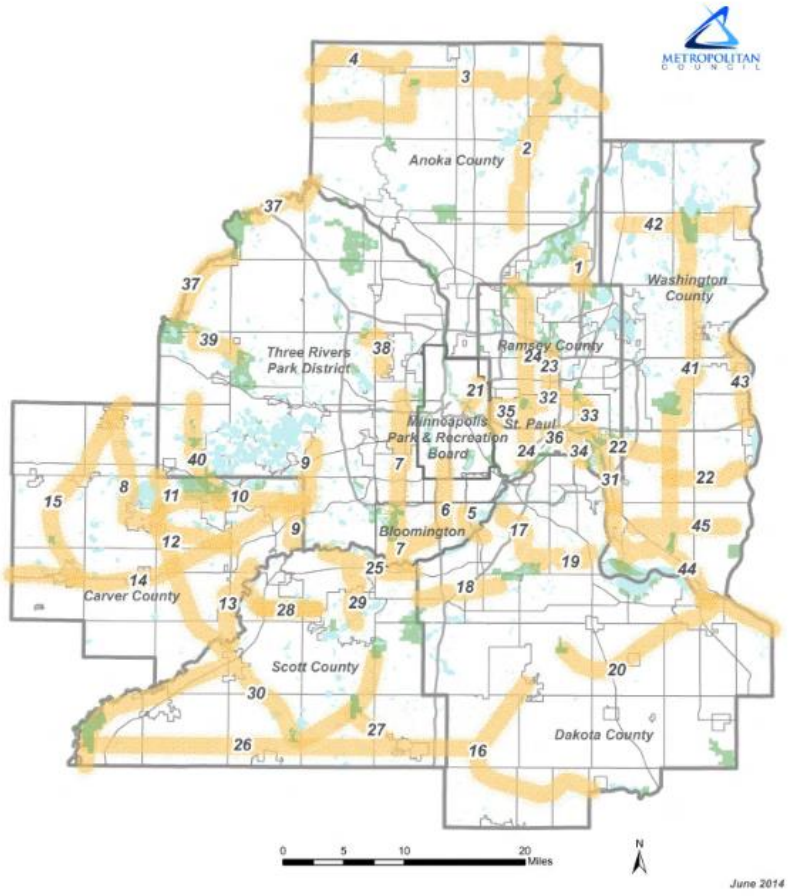
DRAFT

Ramsey will evolve through citizen-driven, collaborative processes that respect the balance and connectivity between its unique urban, rural, and natural environment for current and future generations.

North Anoka County Regional Trail Search Corridor – Trott Brook Greenway Alternative

The 2040 Regional Parks Policy Plan, Chapter Three identifies 'Regional Search Corridors', including one entitled 'North Anoka County' generally designated as number three on Figure 3-9 below.

Figure 3-9. Regional Trail Search Corridor Map

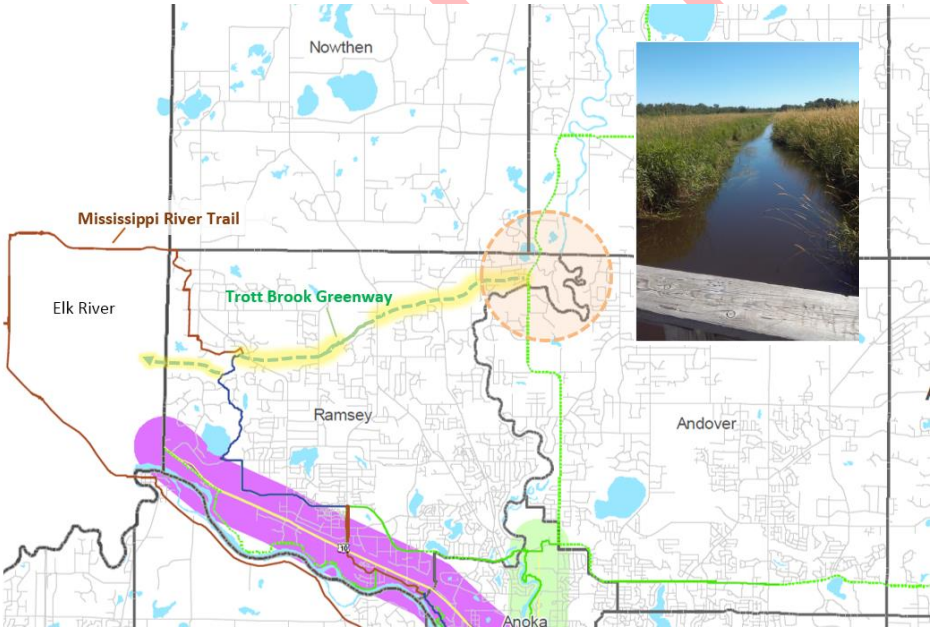


Better Connectivity to Regional Parks System

The introduction of Regional Trails within Chapter 3 states: *"…regional trails are selected to pass through or provide connections between components in the Regional Parks System. The regional parks and park reserves perform the important function of providing places for parking, comfort facilities and safe water supplies.*

Trails also are selected for their ability to intersect with local trail networks, with the regional trails functioning much like regional highways that interconnect with more local arterials and local streets".

In keeping with the above statement and intent; the west portion of Search Corridor 3 should be investigated to ascertain if it is prudent to connect to the only regional park in this area. By aligning the proposed, search area trail south to Rum River Central Regional Park, it also then intersects with the east/west Trott Brook Greenway. Additionally, this connects the Four-corner sub-regional center (depicted by the circle below) of Nowthen, Oak Grove, Andover and Ramsey, thus connecting four communities to; the Mississippi River Trail, a Regional Park, Wild and Scenic Rum River, and proposed Rum River Regional Trail—(without regard to whether the trail is east or west of the Rum).



Significant tracts of land have been acquired along Trott Brook for the greenway and trail, including a $500,000 investment by the Legislative Commission on Minnesota Resources for conservation and trail easements. Trott Brook runs west to east within the area below.



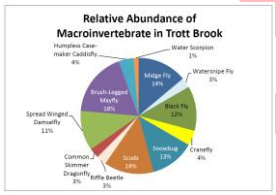
The quarter-mile Lake Itasca Boardwalk provides access to the stream

Fish and Wildlife Benefits

A proposal exists for habitat improvements and the stocking of trout within the brook – if this is found to be feasible, this would provide a rare opportunity in the Metropolitan area, and a unique recreational opportunity with significant tourism and favorable economic impacts. The MN DNR has placed data loggers in Trott Brook to collect the thermo profile of the stream to better understand the streams suitability as a fishery – and a report has identified the brook as potential as a trout fishing stream for the Metro. Trails and public lands along the brook are synergistic with fishing and the deliberate multi-use nature of the greenway.



DNR electro-fishing at Trott Brook to survey existing fish populations



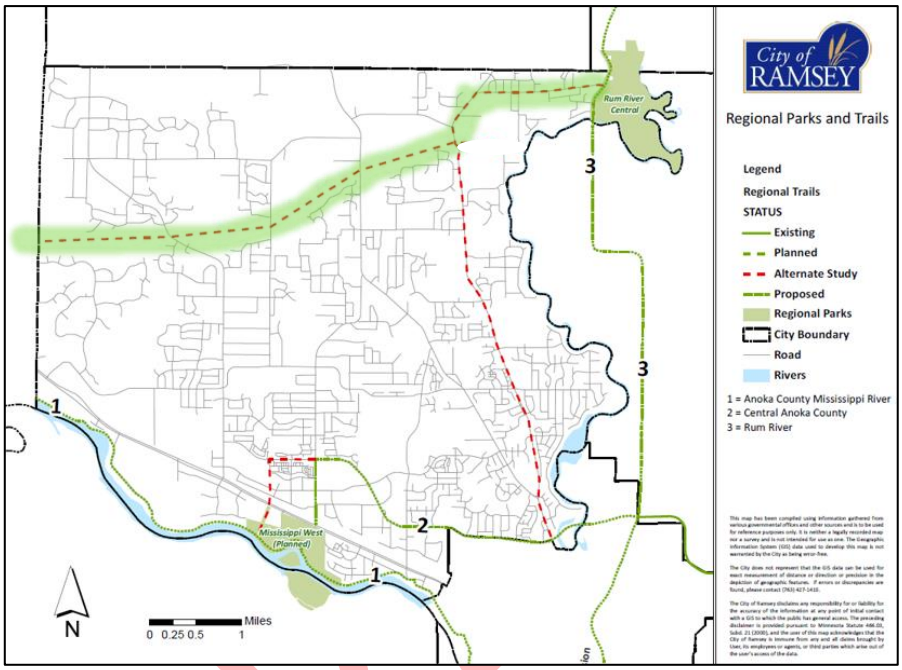
Excerpt from the 22-page report: ***Assessing the Ability to Bring Trout Fishing to the North Metro Area through Stream Quality Assessments and the Summarization of the Economic Impact of Anglers***



Fish sampling in 2012

In concluding, this proposal would recommend that the Trott Brook Greenway be considered as a Regional Trail, fulfilling the east/west Regional Search Corridor goals, as aligned generally and depicted below

.



The 2040 Regional Parks Policy Plan, Chapter Four: Siting and Acquisition – Strategy 3, cites, "*New regional trails must serve a regional audience and provide connection between regional parks, park preserves, and regional trails without duplicating an existing trail.*" The proposal above meets this objective, by connecting Rum River Central Regional Park to the proposed Rum River Regional Trail (potentially west of the river, as described above) and does not duplicate an existing trail. Moreover, by designating the Trott Brook Greenway as a regional trail, it will function as described by the Council "…*two major types of trails to serve the region: 1) destination or greenway trails and 2) linking trails*". The trail would be destinational, and one significant linkage would be the Mississippi River Trail in Ramsey, with its connection to the west in Elk River and subsequent link to the Great Northern Trail.

Commented [TG1]:





Ramsey will evolve through citizen-driven, collaborative processes that respect the balance and connectivity between its unique urban, rural, and natural environment for current and future generations.

Boardwalk and bituminous trail within the Trott Brook Greenway

DRAFT

Existing Regional Trails

Mississippi River Regional Trail

Coursing along America's most renowned river, the Mississippi River Trail winds its way from the headwaters within Lake Itasca State Park in Minnesota to the Gulf of Mexico. A 3,000 mile system of bicycle-friendly roads and multi-use pathways, the Mississippi River Trail is referred to as a "string of pearls" connecting ten states, the cities of Ramsey, Minneapolis, St. Louis, Memphis, New Orleans, and myriad towns between.

In addition to being a Regional Trail within the Twin Cities metro, this trail is also United States Bikeway #45 within the entirety of Minnesota—connecting 700 miles of existing shouldered highways, low-use roads and off-road paths for bicyclists. While in place in Minnesota, trails to the south are actively being constructed and routes defined. Once complete, USBR 45 will continue south along the Mississippi River to Louisiana—then the U.S. Bicycle Route System will encompass more than 50,000 miles of riding connected to Ramsey.

A key improvement benefitting the utility and safe access to the Mississippi River Regional Trail in Ramsey, will be the completion of the pedestrian bridge over Hwy #10 discussed below.

Need Exhibit

Central Anoka County Regional Trail

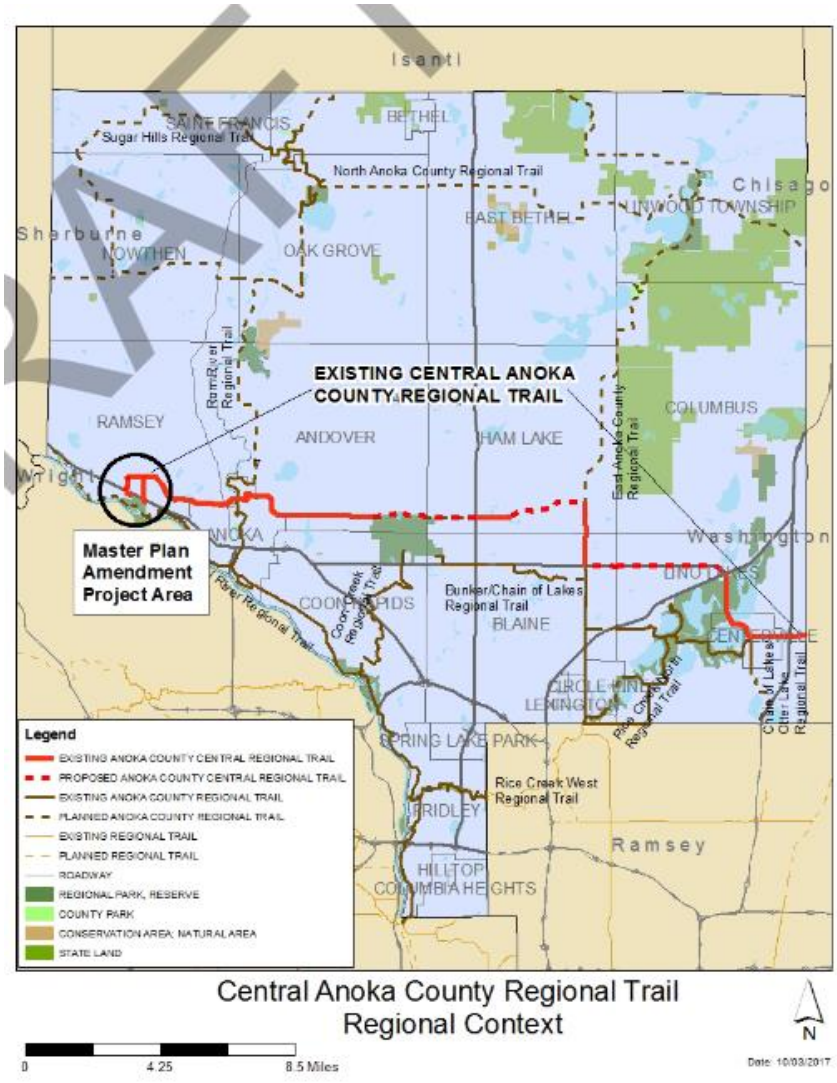
The Central Anoka County Regional Trail is an outstanding recreational (and transportation) amenity for Ramsey residents, and connects them via trail to broad swaths of the county. This includes Bunker Hills Regional Park to the east, with sections planned to be completed that will link the Rice Creek Chain of Lakes near Lino Lakes and Centerville, and on to Washington County. Approximately 19 miles of this 26 mile trail are in place today.

DRAFT

Ramsey will evolve through citizen-driven, collaborative processes that respect the balance and connectivity between its unique urban, rural, and natural environment for current and future generations.

Existing Alignment

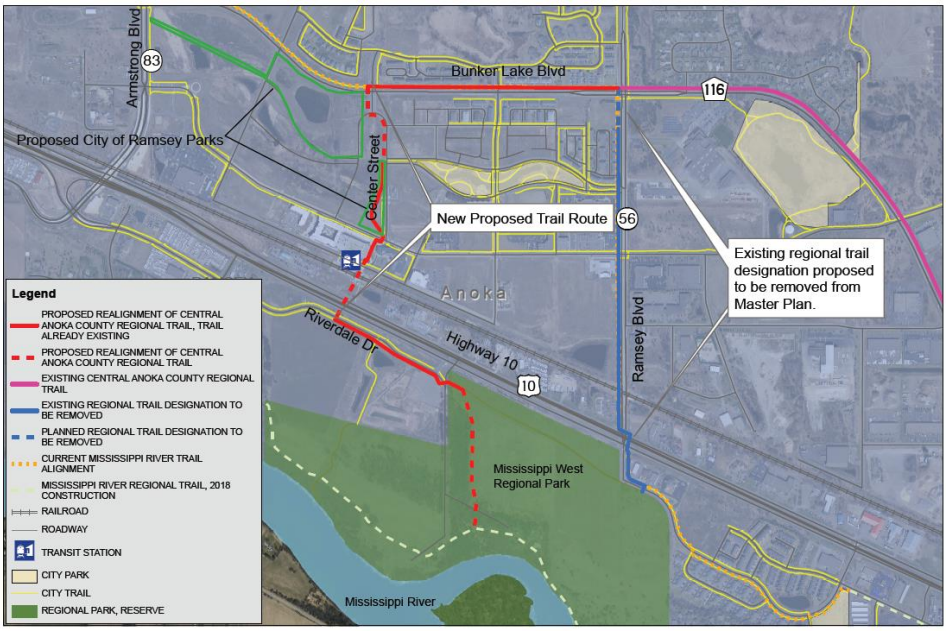
improved exhibit here



Pending Alternative Alignment

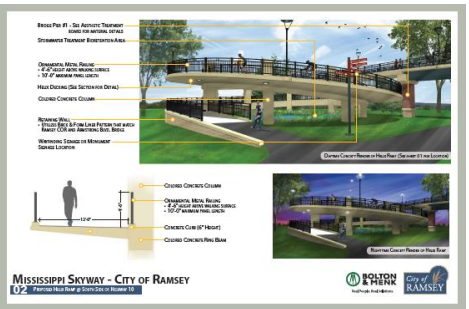
Anoka County Parks & Recreation, has submitted to Metropolitan Council, a Master Plan Amendment for the realignment of the Central Anoka County Regional Trail to the west, *from* Ramsey Boulevard, *to* be aligned to Center Street, the Northstar Commuter Rail station and existing skyway, and future grade separated crossing of Hwy 10, for a safe, direct, and multi-modal connection to the Mississippi River Regional Trail, and Mississippi West Regional Park.

The realignment in Ramsey is needed as, presently the City of Ramsey has limited access to the Mississippi River and Mississippi West Regional Park because Highway 10 is a significant barrier for bicycle and pedestrian access. The amendment will change the alignment of the Central Anoka County Regional Trail within the City of Ramsey to better connect with local parks, trails, restaurants, businesses and transit, while still providing a safe connection to the river and Mississippi West Regional Park.





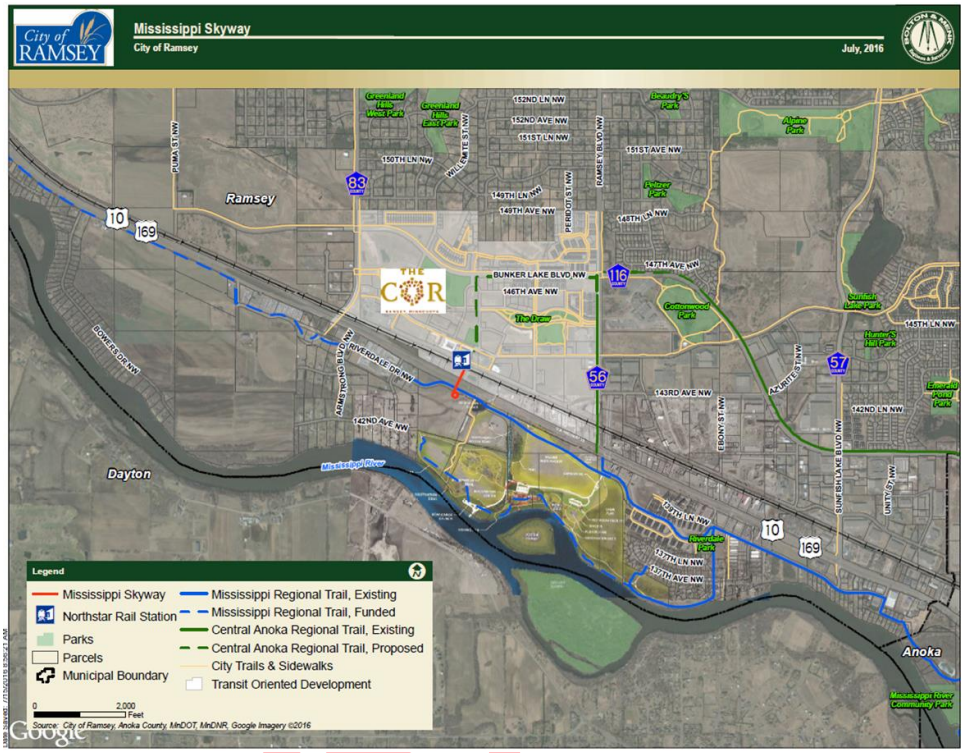
SKYWAY VIEW OF BRIDGE



ELEVATIONS OF RAMP

Considerable investments in regional improvements converge in this location, including the $13 million dollar Northstar rail station, with $1.1 million dollar pedestrian skyway over Veteran's Drive, $8 million dollar covered transit and parking facility, as well as more than one half million in boat landing and river access improvements. Additionally, the Mississippi River Regional Trail has recently been completed from the City of Anoka, through the City of Ramsey to Sherburne County (including within Mississippi West Regional Park). The trail together with two bridges on the 80-acre King's Island represents over one million dollars in bike facilities that are also a key component of the Mississippi National River and Recreation Area. The Final Plans and Specifications for the Mississippi Skyway are complete, and were funded by a $490,000 grant from the National Park Service—allowing for a shovel-ready project.

DRAFT



Different exhibit?

This Regional Trail with multi-modal connections and host of retail services will make this pedestrian bridge the nexus of regional systems and destinations. Therefore, it is imperative that Anoka County Parks and the City of Ramsey work with Metropolitan Council and other regional partners to develop a cost-share plan for the funding and construction of the remaining portion of the Mississippi Skyway, utilizing grant monies that are uniquely available for pedestrian and bicycle facilities.

This next section ↓ may be better located following 'Planned Park System' above

Parks, Recreation, and Open Space Implementation

The following represents goals and strategies for future land uses. Subsequent chapters will include their own goals and strategies that integrate with the above. Resources above and beyond current budget approvals are indicated in the 'Additional Resources' column.

Strategic Imperatives (4 key themes from Phase I of update)

1. A Balance of Rural Character and Urban Growth
2. An Active Community (Parks, Recreation, and Open Space)
3. A Connected Community (Transportation)
4. A Positive Learning Environment Update

Relationship to Park System Plan Process

Concurrently with this Comprehensive Plan Update process, the City of Ramsey is conducting it's first-ever Park System Plan (PSP) process. The foundation of that plan is an analysis of the needs and desires of the community, a review of existing features, and an exploration of the context for the system. It will then provide a vision for the overall system and planning and policy direction for parks, trails, recreation, and open space. It is meant to guide the system as it evolves over the next several decades, including how new investments and ongoing maintenance and operations will be conducted.

Those analyses and community engagement efforts, including coordination with the Comprehensive Plan engagement events, began in 2017 and will continue, culminating in an anticipated adoption of the document by City Council later in 2018. Because that plan is underway and will be a formally adopted City policy document, this Chapter refers to the PSP for much of its findings about local planning direction and implementation for the system. Elements that are specific to the Comprehensive Plan, such as relationship to other city-wide planning decisions and regional coordination, will be covered here (but also reflected in the PSP).

DRAFT

Ramsey will evolve through citizen-driven, collaborative processes that respect the balance and connectivity between its unique urban, rural, and natural environment for current and future generations.

Convert ↓ back to Goals and Strategies!???

Goal/Initiative	Tactic	Timeframe	Key Outcomes	Additional Resources
Maintain and Expand the Rural Character of Ramsey				
	Create a Natural Resources Plan	2019	• Protect exceptional quality ecological areas through public investment and land use controls. • Create a landscape management plan that is sustainable in terms of long-term maintenance. • Ensure that there are many areas within the park system for quiet contemplation, and that even in urban parks there are naturalized areas.	$7,500 in professional services.
	Preserve and enhance continuous open space corridors that protect natural vegetation and water quality, provide wildlife habitat, and conserve the natural character of Ramsey.		• Continue to be a local resource for residents seeking information on the parks systems' natural resources, as well as assisting with private land management in association with public resources. • Support programming to educate residents on the value of preserving and maintaining natural resources for the health benefits they provide. • Develop and strengthen relationships with schools, state agencies and colleges in both utilizing Ramsey's parks as educational tools and public resources. • Refer to Ditch 66 as Elmcrest Creek, and continue acquiring land along it as an important trail corridor and Greenway in the center of the city. • Promote use of conservation easements, land trusts, or other unique tools to retain areas of significant natural resources as identified in the city's Natural Resource inventory. • Encourage parkland dedication of areas within the proposed greenway corridors if there is demonstrated public recreational value, or enhances the ecological functioning of public lands.	

DRAFT

			• Develop additional interpretive facilities within parks and trail corridors.	
Build upon existing values of Park, Trail and Open Space to create a sense of ownership in the community, and to emphasize positive contacts with the city.				
	Develop a comprehensive volunteer program in the city that rewards and recognizes participants and encourages them to be returning volunteers.		• Increased participation in programs and community events. • Volunteers to lead programs and special events. • Positive connection to community.	
	Promote the benefits of parks more through existing communication venues like the newsletter and web site.		• Increased use of parks and trails due to increased knowledge of benefits. • Healthier, more active residents.	MRPA "Did You Know?" program
	Encourage and facilitate the use of parks for children and families through existing opportunities like Youth First Community of Promise or the Community School funding.		• Increased use of parks and trails by youth and families.	
	Provide better signage and 'branding' of Ramsey's parks.		• Community pride in parks and trails. • Easier use of parks and trails.	
	Respond to citizen requests in a timely manner with detailed and accurate information, and ensure maintenance staff has the training to be good representatives of the city.		• Positive representation of parks and trails staff. • Increased safety and improved appearance of parks and facilities.	
Create a diverse and robust offering of recreation opportunities	Tactic	Timeframe	Key outcomes	Additional resources
	Offer numerous recreational opportunities for all ages and abilities, which understand local demographic and recreation trends as well as community wants and needs.		• Range of formal/informal opportunities for community to enjoy outdoor space and build connections. • Partnerships with schools, nonprofits, businesses, and/or volunteer organizations to expand offerings/facility use. • Activities that promote life-long health and wellness and learning. • Continual improvement though program evaluations.	
	Expand senior programming as baby-boomers age that meets needs of an aging population in various		• Local and regional trends regarding 55+ programming are monitored to become competitive.	

DRAFT

	ways and understands the size and location(s) of this population.		• Multi-faceted groups and clubs with a social aspect, in areas such as the arts, physical activity, volunteering, hobbies, and education. • Activities that promote life-long health and wellness and learning.	
	Ensure equitable access to recreation programs and facilities.		• Fee-setting policy and formal fee-assistance policy that eliminates economic barriers to participation. • Appropriate/source funds for scholarship program. • Reasonable accommodations available, as mandated by ADA, for all programs and services. • Adaptive sports program for activities where integration would change the fundamental nature of the sport.	• Scholarship funds/donations. • Inclusion assistants for participants who need additional support during mainstream programs (Reach for Resources, ARLE, etc.)
	Create a Master Parks Plan	2018	• A well-connected parks and recreation system that respects the balance of community needs and expectations with long-term capital investment and ongoing maintenance obligations.	No additional resources required. Plan is already in development.
	Create a section on Recreation Programming within the Master Parks Plan	2018	• A diverse and robust offering of recreation opportunities to engage the entire community and satisfy wants and needs, as well as promote community health and wellness.	No additional resources required. Section is already in development.
	Explore ways to establish a community center that would provide a variety of recreation activities for people of all ages, cultural identities, and ability.		• Feasibility of community center and various options for management and implementation.	
	Continue to support the various youth athletic associations by providing field maintenance activities that meet their needs in serving residents.		• Satisfaction with sports fields for all users. • Increased participation and/or retention in youth athletic associations due to higher quality facilities.	
	Examine the use and promotion of community gardens to serve the needs of residents without access to land, and to promote healthy life styles and stronger neighborhoods.		• Improvements to existing community gardens to encourage increased participation.	
	Continue to examine the 'return on investment' that a recreation coordinator would provide to the community associated		• Thorough documentation and justification for recreation coordinator.	

DRAFT

	with developing programming.			
	Collaborate to make physical connections to adjoining communities like trails a high priority; and also build relationships with surrounding community's to cooperatively serve our constituencies.		• Eventual physical connections to neighboring communities. • Partnerships with neighboring cities.	
	Cooperate with school districts and charter schools to develop and maintain joint-use school-park facilities.		• Higher-quality and increased use of such park facilities. • Increased recreation programming at such facilities.	
Improve the safety and mobility of major corridors				
	Provide sustainable access to all community parks and destinations, through safe trail connections to neighborhoods throughout Ramsey – with urban neighborhoods and commercial areas having a comprehensive sidewalk system to facilitate healthy living. Continue to expand trail systems, by maintaining and updating the Park and Trail Plan map, so as to provide transportation choices, in additional to recreation al opportunities		• Competitive Trail Fee on new residential developments to provide revenue for trail system expansion. • "Patrol friendly" public spaces, parks, and trails. • Trail and greenway near Trott Brook. • Snow removal on city sidewalk and trail system. • Trail along Bunker Lake Boulevard and Alpine Drive. • Long-term pedestrian and bicyclist crossing of Mississippi River. • Separated paved trails on higher traffic roads. • Employ standards that meet the Americans with Disabilities Act for all public and private trail facilities, as well as retrofitting non-compliant areas.	
Ensure the Comprehensive Plan continues to implement the City's Mission and Vision while respecting market forces.				
	Create neighborhood parks within the urban areas which strengthen the neighborhood, unite the community, and provide focal points of identity for the residential areas of Ramsey. Support boulevard trees as a way to enhance property values, improve aesthetics and provide for safer streets.		• Strong emphasis on public input when designing new park spaces. • Meet basic neighborhood parks needs yet avoid "cookie-cutter" plans – building diversity and aesthetic into design. • Beautify public spaces and gardens with art. • Encourage neighbors and volunteers to be active in parks, and develop special events at the neighborhood level that are unique.	

DRAFT

			• Consider subtle themes for neighborhood parks and the adjoining public spaces.	
	Establish a relevant, diverse, and efficient system of parks and trails that meets the needs of Ramsey residents, now and for the future, and of a quality that enhances property values.		• Continue to update the Comprehensive Park, Open Space and Trail Plan section to provide direction in future parkland acquisition and development. • Increase the planning efforts for the projected sixth community park. • Maintain the vision for the Town Center park and trail plan to ensure the project is truly walkable and successful in supporting commercial and retail businesses. • Explore new and creative ways of funding parks, and building synergistic relationships with the business community. • Ensure adequate resources are committed for park planning and especially routine maintenance. • Continue to coordinate planning efforts with the National Park Service in the Mississippi National River and Recreation Area to establish a regional trail along the Mississippi River that includes rest areas, scenic overlooks, and interpretive stops. • Accelerate the Anoka to Ramsey trail connection timeline at King's Island. • Support the development of a fishing pier and boat landing in the county's Mississippi West Regional Park. • Develop a long-range plan for underutilized park spaces in the city.	
Plan for future educational needs				
	Support the planned second elementary school in Ramsey	2018	• Elementary school facilities reduce overcrowding, safety, and space needs. • Cooperate with school districts to develop and maintain joint-use school-park facilities.	No additional resources required.
	Encourage the Anoka Hennepin School District or Elk River School District to create a long-term plan for facilities in Ramsey.	2019	• A third elementary school and a new middle school are planned for the future (2025 or beyond). • Cooperate with school districts to develop and maintain joint-use school-park facilities.	No additional resources required.

DRAFT

	Consider Amending District Boundaries to better reflect actual development patterns.	2022 (following 2020 Census)	• School District boundaries follow Neighborhood boundaries.	

DRAFT

Park and Recreation Commission **5. 2.**

Meeting Date: 04/12/2018

By: Mark Riverblood, Engineering/Public Works

Information

Title:

Recommend Park Dedication for Rum River Prairie

Purpose/Background:

The purpose of this case is to recommend Park Dedication and Trail Fees for a proposed twenty-five (25) lot, detached single family residential subdivision located at the intersection of Armstrong Blvd and Tiger Street. The Subject Property is zoned R-1 Residential (Rural Developing) and the lots would be serviced by private well and septic services.

Notification:

Staff attempted to notify all Property Owners within 700 feet of the Subject Property at the time of the Sketch Plan Review.

Observations/Alternatives:

Preliminary Plat approval of Rum River Prairie occurred earlier this spring with Final Plat approval anticipated as soon as April 24th, 2018. The proposed lots would be serviced by individual private utilities (well and septic). The lots being proposed range in size from 1.37 acres to 3.7 acres in size with all but one of the lots being 2.5 acres or greater in size.

The city's Park and Trail Plan does not show the need for park space in this area, therefore staff recommends that both Park Dedication and Trail Fees be satisfied by a *cash payment.

Consistent with the longstanding policy of requiring developers to construct a trail on one side of any arterial or collector street (municipal, county or state roadway), as basic infrastructure for their plat, this plat will be required to construct a 10' bituminous trail along Armstrong Boulevard. Additionally, for this plat, it would make sense to extend the trail beyond the plat to north to connect with 173rd Avenue. This beyond plat trail construction (approximately 1,830') would be *credit eligible first against Trail Fees owed, and then if required against the Park Dedication.

The development fees owed are as follows, based upon 25 new lots created (if Final Platted in 2018): Park Dedication $75,000, Trail Fees, $25,000.

Funding Source:

All costs associated with processing the Application are the responsibility of the Developer.

Recommendation:

Staff recommends Park Dedication and Trail Fees consist of a cash payment for the anticipated 25 lots within the proposed Rum River Prairie, and that the Development Agreement specify that credit eligible trail construction occur beyond the plat in the ROW of Armstrong Boulevard, north approximately 1,830' feet to 173rd Avenue. .

Action:

Motion to recommend Park Dedication consist of cash, and that the Developer of Rum River Prairie be required to extend the trail from the Plat, north to 173rd Avenue—with this segment credit eligible against the Trail Fees owed .

Attachments

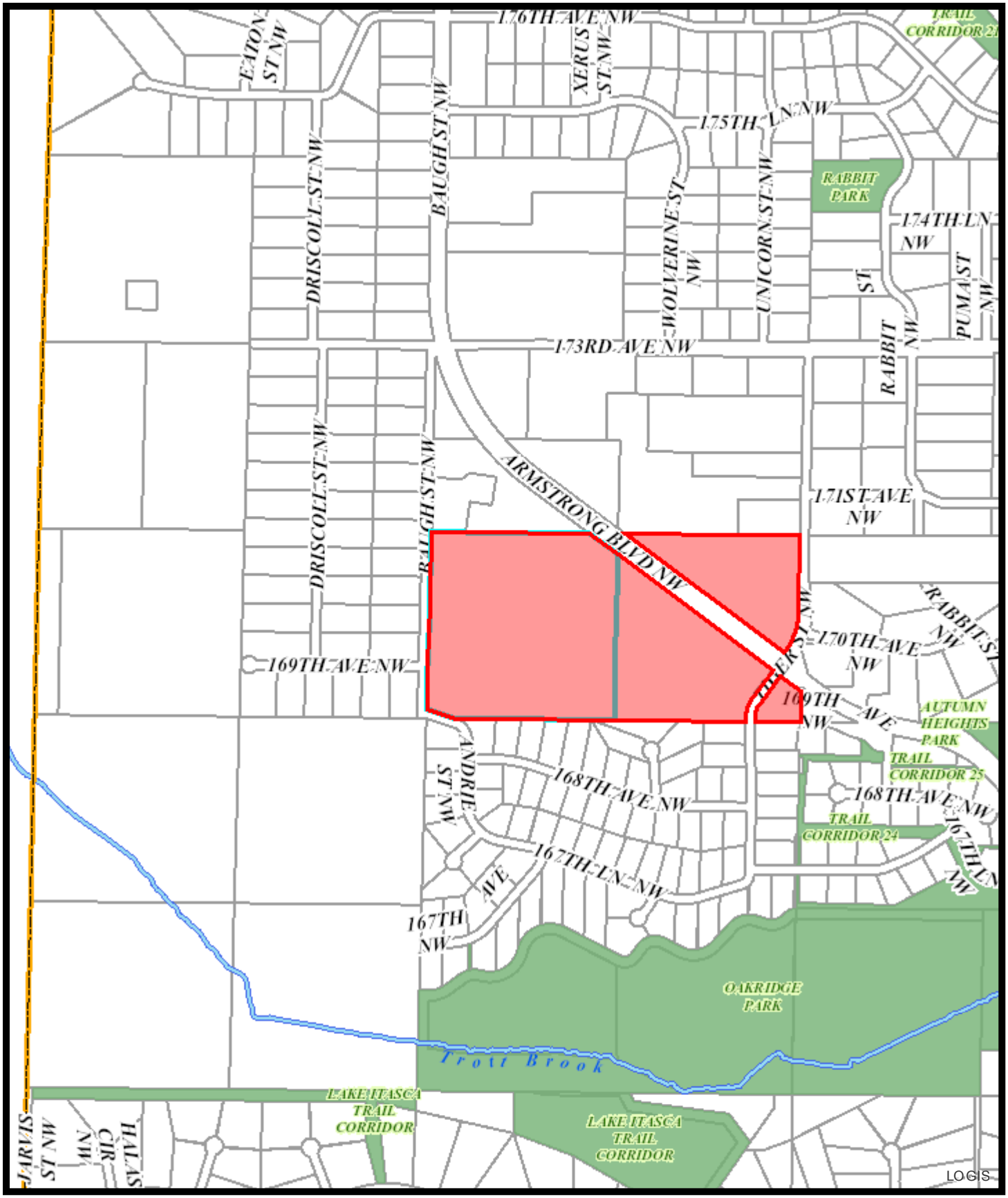
Site Location Map
Preliminary Plat
Complete Plan Set

Form Review

Inbox	Reviewed By	Date
Kathy Schmitz	Kathy Schmitz	04/06/2018 02:03 PM
Tim Gladhill	Kathy Schmitz	04/06/2018 02:03 PM
Form Started By: Mark Riverblood		Started On: 04/06/2018 11:47 AM
Final Approval Date: 04/06/2018		

07-32-25-13-0001

Site Location Map



Feet
0 230460 920 1,380 1,840

Print Date: October 12, 2017

PRELIMINARY PLAT OF:

RUM RIVER PRAIRIE

OWNER/DEVELOPER

Brookview Estates, LLC
6210 Green Valley Road
Ramsey, MN 55303

PROPERTY DESCRIPTION

S ½ of the NE ¼ of Section 7, Township 32, Range 25

NOTE

Proposed septic areas shown hereon are approximate and for informational purposes only. It is the responsibility of the landowner to determine a final location for the septic area.

NET DENSITY

25 Single-Family dwellings
1 Dwelling per 2.67 Acres (Including Block 4 Lot 1, which has a variance to allow smaller area)

ZONING

Rum River Prairie – R-1: Rural Developing (outside MUSA)

East, North, and West – R-1: Rural Developing (outside MUSA)

South – PUD: Planned Unit Development

SETBACKS

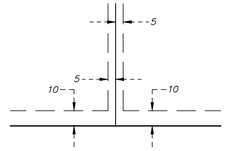
Front:	*40'*
Side:	*10'*
Rear:	*40'*



LOT AREA TABULATION

BLOCK 1		
LOT 1	*139,816 s.f.*	*3.21 Acres*
LOT 2	*116,856 s.f.*	*2.68 Acres*
LOT 3	*108,955 s.f.*	*2.50 Acres*
LOT 4	*111,933 s.f.*	*2.57 Acres*
LOT 5	*108,937 s.f.*	*2.50 Acres*
LOT 6	*109,299 s.f.*	*2.51 Acres*
LOT 7	*175,192 s.f.*	*4.02 Acres*
LOT 8	*158,816 s.f.*	*3.65 Acres*
LOT 9	*108,959 s.f.*	*2.50 Acres*
LOT 10	*108,900 s.f.*	*2.50 Acres*
LOT 11	*109,830 s.f.*	*2.52 Acres*
LOT 12	*108,901 s.f.*	*2.50 Acres*
BLOCK 2		
LOT 1	*110,919 s.f.*	*2.55 Acres*
LOT 2	*111,266 s.f.*	*2.55 Acres*
LOT 3	*108,917 s.f.*	*2.50 Acres*
LOT 4	*110,202 s.f.*	*2.53 Acres*
LOT 5	*120,579 s.f.*	*2.77 Acres*
LOT 6	*116,740 s.f.*	*2.68 Acres*
LOT 7	*109,148 s.f.*	*2.51 Acres*
LOT 8	*108,972 s.f.*	*2.50 Acres*
BLOCK 3		
LOT 1	*108,935 s.f.*	*2.50 Acres*
LOT 2	*109,019 s.f.*	*2.51 Acres*
LOT 3	*161,200 s.f.*	*3.70 Acres*
LOT 4	*108,974 s.f.*	*2.50 Acres*
BLOCK 4		
LOT 1	*59,760 s.f*	*1.37 Acres*
R.O.W.	*570,582 s.f.*	*13.10 Acres*
TOTAL	*3,481,607 s.f.*	*79.93 Acres*

DRAINAGE AND UTILITY EASEMENTS ARE SHOWN THUS:



BEING 5 FEET IN WIDTH AND ADJOINING SIDE LOT LINES, ALSO BEING 10 FEET IN WIDTH AND ADJOINING RIGHT-OF-WAY AND REAR LOT LINES, UNLESS OTHERWISE SHOWN ON THIS PLAT.

LEGEND

—— – – ——	*DENOTES BUILDING SETBACK LINE*
— — — —	*DENOTES DRAINAGE AND UTILITY EASEMENT*
x 250	*SEPTIC BORING LOCATION AND NUMBER*

I HEREBY CERTIFY THAT THIS SURVEY WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION, AND THAT I AM A DULY REGISTERED LAND SURVEYOR UNDER THE LAWS OF THE STATE OF MINNESOTA.

KYLE J. RODDY, MN LIC. NO 42627 *DATED: 12/26/17*

COPYRIGHT 2016 BY LHB, INC. ALL RIGHTS RESERVED.

LHB
PERFORMANCE DRIVEN DESIGN.
LHBcorp.com
200 3rd Ave NE, Suite 100 | Cambridge, MN 55008 | 763.689.4042



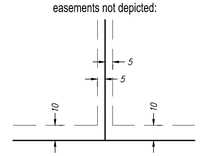
OWNER/DEVELOPER

RUM RIVER PRAIRIE, LLC.
ERIC THOMSEN
6210 GREEN VALLEY RD.
RAMSEY, MN 55303

STREET LENGTHS

169TH AVE NW - 2,549'
170TH CT NW - 615'

Standard Drainage & Utility easements not depicted:



Being 10 feet in width and adjoining street and rear lot lines and 5 feet in width and adjoining side lot lines unless otherwise shown.

LINE TYPE & SYMBOL LEGEND

P | S	DRAIN FIELD LOC. P = PRIMARY S = SECONDARY
	FLARED END SECTION
	CULVERT
W	PROPOSED WELL LOC.
SB1	SOIL BORING LOC. W/ NUMBER
	EXISTING TREE (PRESERVE)
	EXISTING TREE (REMOVE)
	DRAINAGE FLOW ARROW

N 90°00'00" E 94.50	PLAT BOUNDARY
94.50	LOT LINE
	R/W
	SETBACK
WET WET	WETLAND EDGE
900	PROPOSED CONTOUR
900	EXISTING CONTOUR
	EASEMENT
	SILT FENCE
	TREE FENCE
	EDGE OF BIT.
	CENTERLINE
	FUTURE BIT. TRAIL

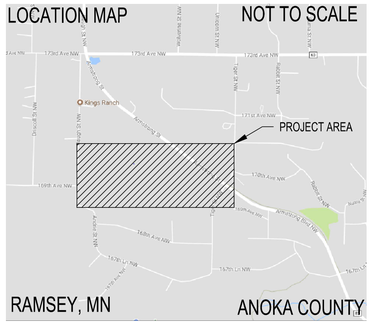
BUILDING PAD LEGEND

909.0 FWO/MWO/SWO FLO/MLO/F 901.0 901.0	GARAGE FLOOR ELEVATION TYPE OF BUILDING LOWEST FLOOR ELEVATION LOWEST OPENING ELEVATION

BUILDING PAD LEGEND

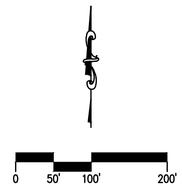
F	FULL BASEMENT
FWO	FULL BASEMENT WALKOUT
MWO	MODIFIED (NON STANDARD) WALKOUT BASEMENT VARIABLE 5-12 COURSE BASEMENT
SWO	SPLIT ENTRY WALKOUT BASEMENT (5 COURSE)
FLO	FULL BASEMENT LOOKOUT ON COURSE 5
MLO	MODIFIED (NON STANDARD) LOOKOUT BASEMENT VARIABLE 5-12 COURSE BASEMENT

LOCATION MAP — NOT TO SCALE



SHEET INDEX

CO	COVER SHEET
STORM SEWER AND STREET CONSTRUCTION	
C1	ROAD PLAN & PROFILE (169TH AVE NW WEST END)
C2	ROAD PLAN & PROFILE (169TH AVE NW EAST END)
C3	ROAD PLAN & PROFILE (170TH CT NW)
EROSION CONTROL, LANDSCAPING, AND DETAILS	
G1	SITE GRADING PLAN (WEST)
G2	SITE GRADING PLAN (CENTER)
G3	SITE GRADING PLAN (EAST)
L1	TREE PLANTING PLAN
T1	EXISTING TREE PLAN
T2	SAVED TREES
T3	REMOVED TREES
D1	DETAILS
SW1	STORMWATER POLLUTION PREVENTION PLAN
SW2	STORMWATER POLLUTION PREVENTION PLAN



I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

NAME: _____ LIC. NO. -- -- DATE 00-00-2018

DESIGNED BJH
DRAWN BJH
CHECKED ..

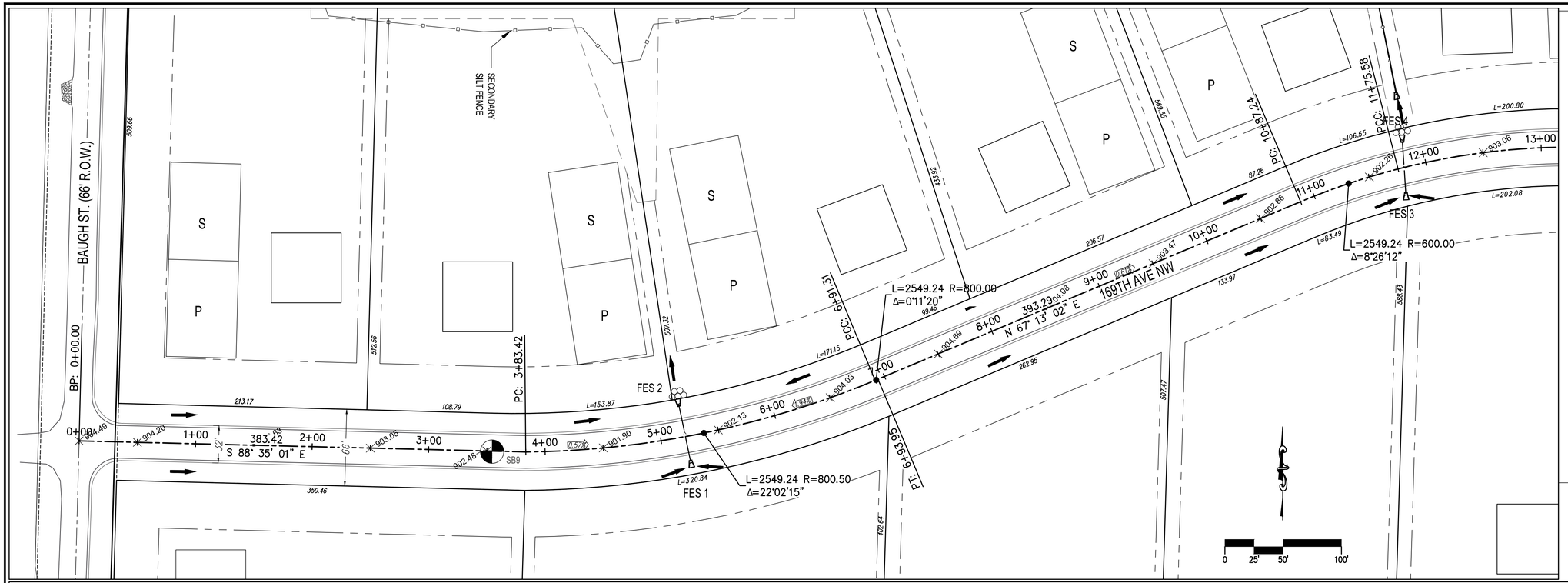
LHB PERFORMANCE DRIVEN DESIGN.
LHBcorp.com 21 W. Superior St., Ste. 500 | Duluth, MN 55802 | 218.727.8446

RUM RIVER PRAIRIE DEVELOPMENT

COVER SHEET

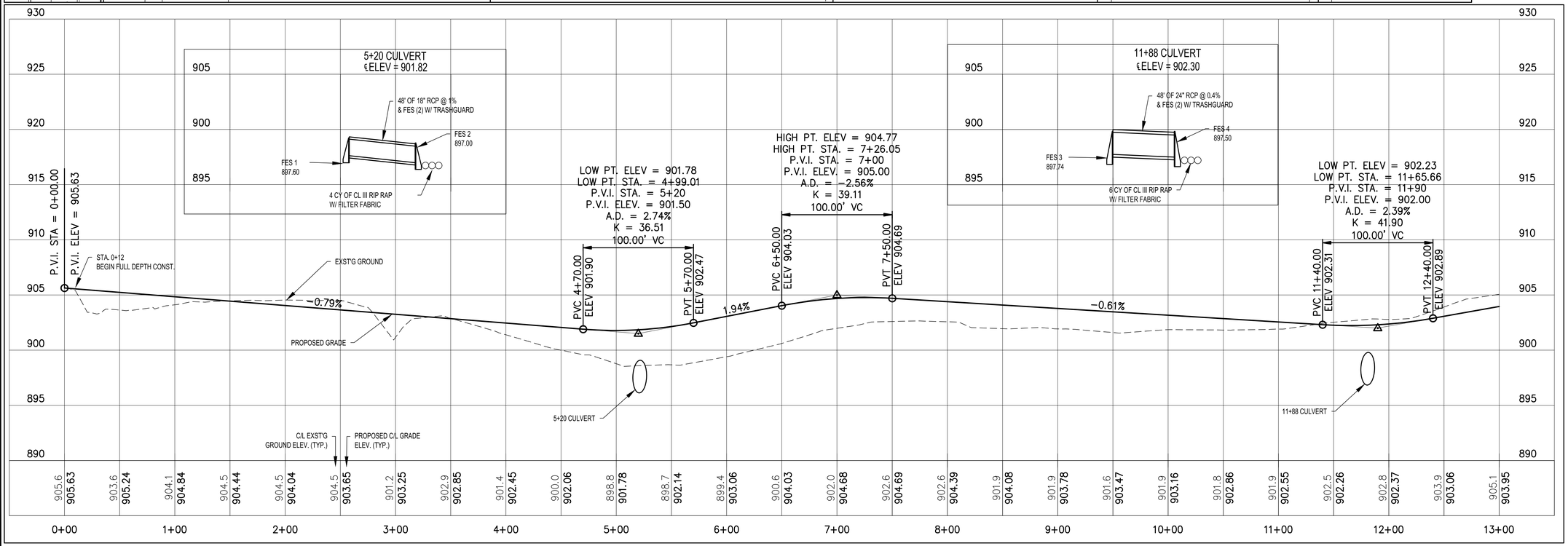
SHEET CO

PLOT DATE: 12/29/2017 10:45:30 AM FILE: C:\Users\bjhurlin\Desktop\170163 Eric Thompsen Armstrong Blvd\600 Drawings\Survey\170163 preliminary plot 12-21-17.dwg



LINE TYPE & SYMBOL LEGEND

- P | S — DRAIN FIELD LOC. P = PRIMARY S = SECONDARY
- FLARED END SECTION
- CULVERT
- W — PROPOSED WELL LOC.
- SB1 — SOIL BORING LOC. W/ NUMBER
- EXISTING TREE (PRESERVE)
- EXISTING TREE (REMOVE)
- DRAINAGE FLOW ARROW
- N 90°00'00" E 94.50 — PLAT BOUNDARY
- 94.50 — LOT LINE
- R/W
- SETBACK
- WET—WET — WETLAND EDGE
- 900 — PROPOSED CONTOUR
- 900 — EXISTING CONTOUR
- EASEMENT
- SILT FENCE
- TREE FENCE
- EDGE OF BIT.
- CENTERLINE
- FUTURE BIT. TRAIL



I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

NAME: _____ LIC. NO. -- -- DATE 00-00-2018

DESIGNED BJH
DRAWN BJH
CHECKED ..

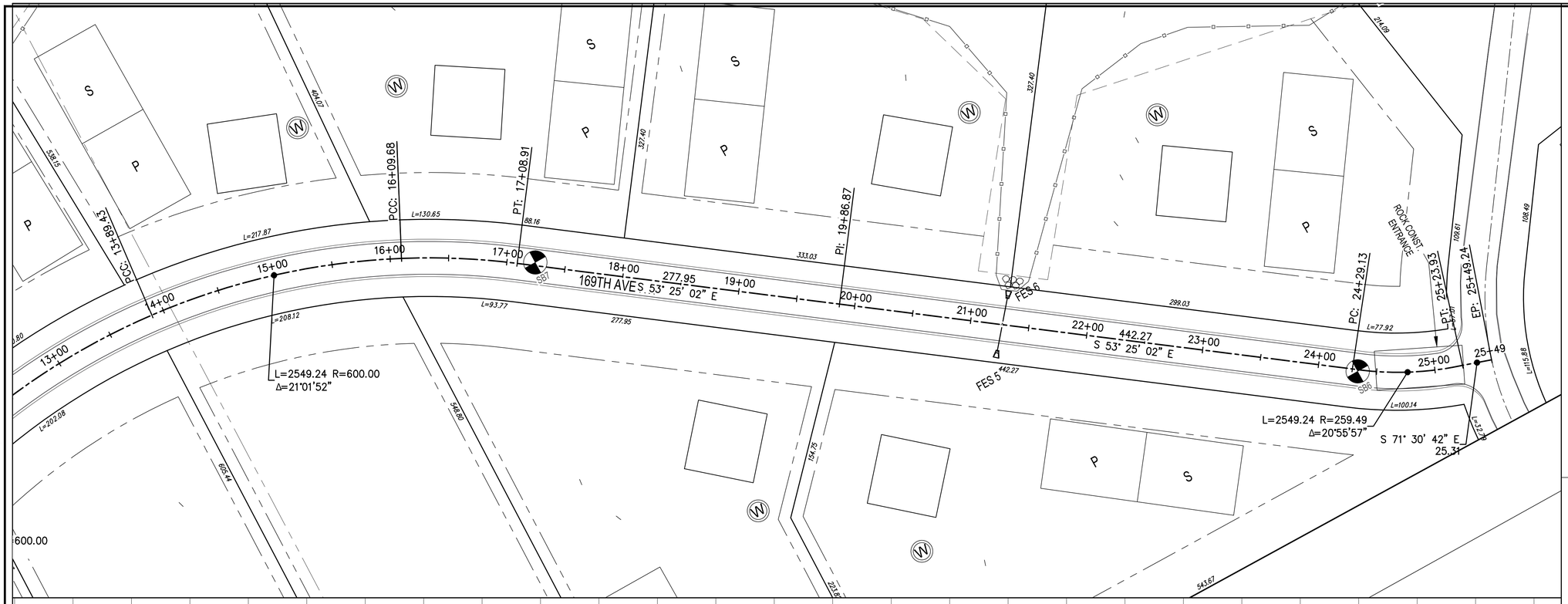
LHB PERFORMANCE DRIVEN DESIGN.
LHBcorp.com 21 W. Superior St., Ste. 500 | Duluth, MN 55802 | 218.727.8446

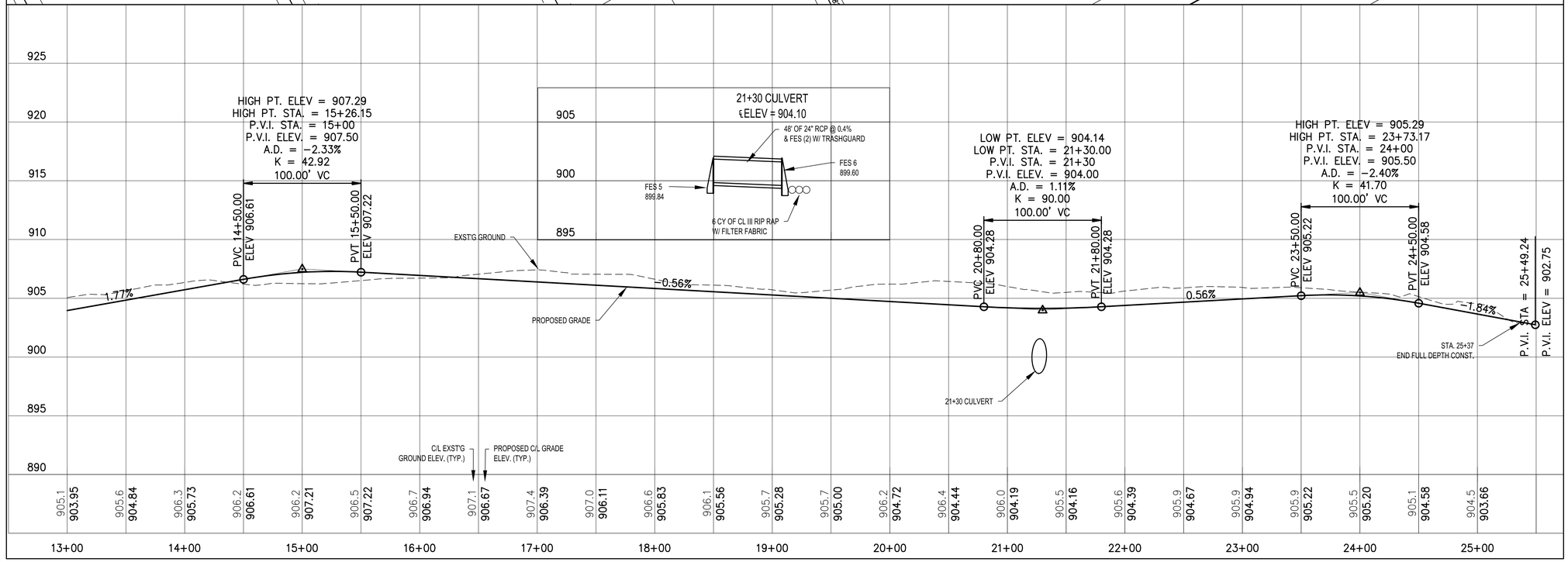
RUM RIVER PRAIRIE DEVELOPMENT

ROAD PLAN & PROFILE

SHEET C1

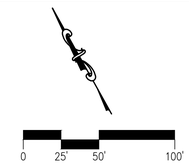
PLOT DATE: 12/29/2017 10:47:04 AM FILE: C:\Users\bjhunin\Desktop\170163 Eric Thompsen Armstrong Blvd\600 Drawings\Survey\170163 preliminary plat 12-21-17.dwg





LINE TYPE & SYMBOL LEGEND

- DRAIN FIELD LOC. P = PRIMARY S = SECONDARY
- FLARED END SECTION
- CULVERT
- PROPOSED WELL LOC.
- SB1 — SOIL BORING LOC. W/ NUMBER
- EXISTING TREE (PRESERVE)
- EXISTING TREE (REMOVE)
- DRAINAGE FLOW ARROW
- N 90°00'00" E 94.50 — PLAT BOUNDARY
- 94.50 — LOT LINE
- R/W
- SETBACK
- WET WET — WETLAND EDGE
- 900 — PROPOSED CONTOUR
- 900 — EXISTING CONTOUR
- EASEMENT
- SILT FENCE
- TREE FENCE
- EDGE OF BIT.
- CENTERLINE
- FUTURE BIT. TRAIL



I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

NAME: _____ LIC. NO. _____ DATE 00-00-2018

DESIGNED BJH
DRAWN BJH
CHECKED ..

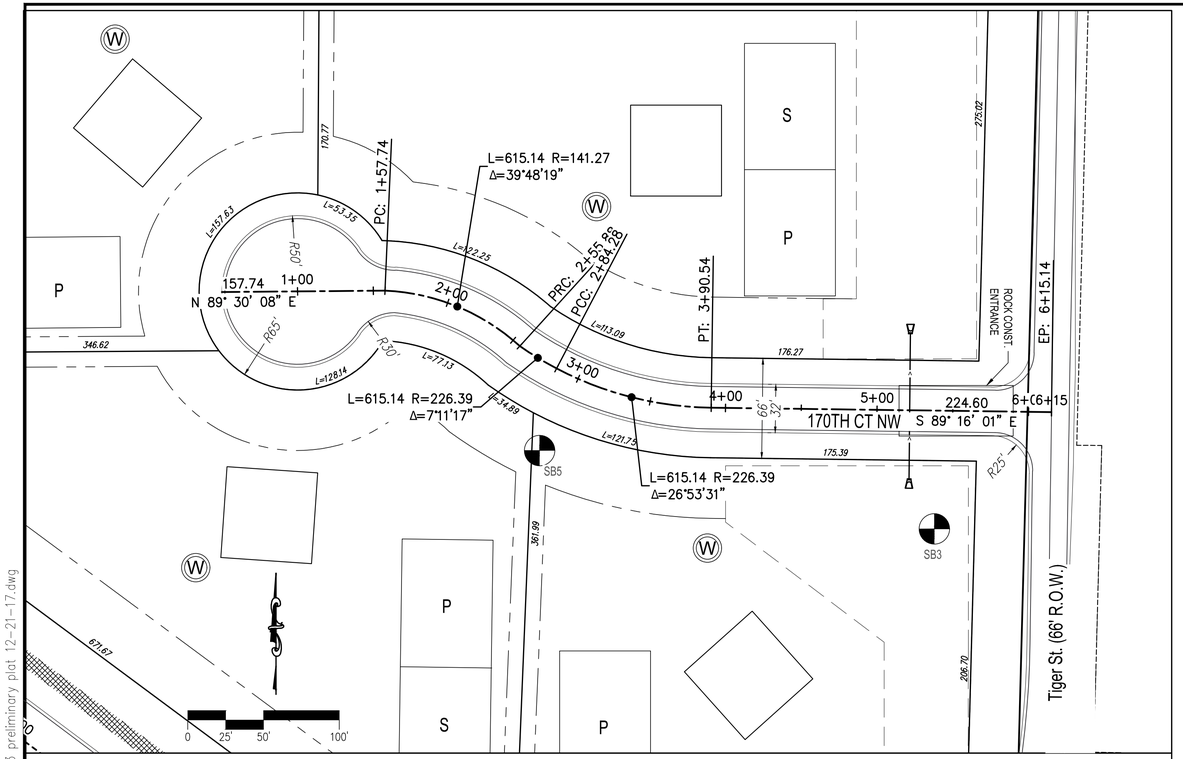
LHB PERFORMANCE DRIVEN DESIGN.
LHBcorp.com 21 W. Superior St., Ste. 500 | Duluth, MN 55802 | 218.727.8446

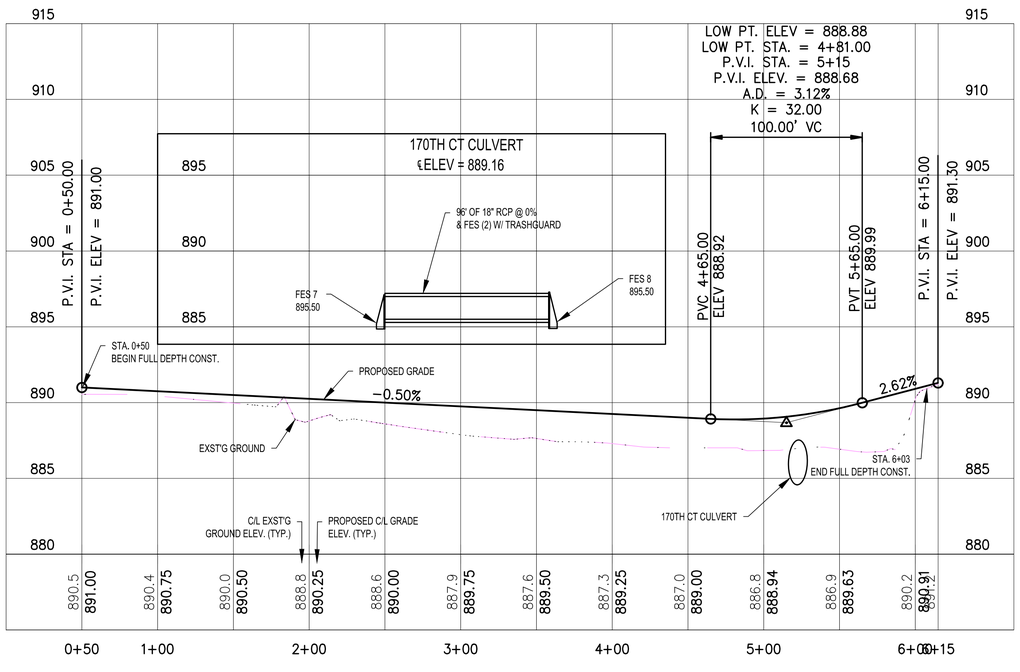
RUM RIVER PRAIRIE DEVELOPMENT

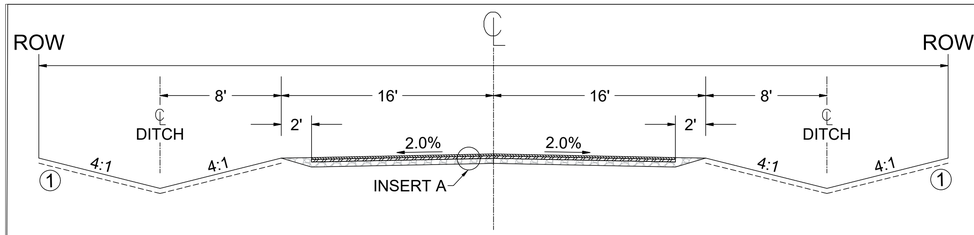
ROAD PLAN & PROFILE

SHEET C2

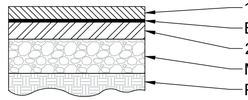
PLOT DATE: 12/29/2017 10:47:42 AM FILE: C:\Users\bjhunin\Desktop\17016.3 Eric Thompsen Armstrong Blvd\600 Drawings\Survey\17016.3 preliminary plat 12-21-17.dwg







INSERT A:

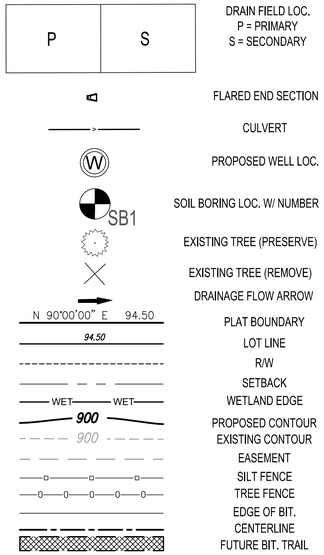


REFERENCE NOTES:

1. GRADE TO MATCH EXISTING SURFACE MINIMUM 4" COMMON TOPSOIL BORROW, SEED AND MULCH IN ALL DISTURBED AREAS.
   SEE CITY PLATE No. ERO-6
2. CLASS 5 GRADATION IS MODIFIED PER CITY PLATE No. STR-26
3. CONTRACTOR SHALL SCARIFY AND COMPACT, ACCORDING TO THE SPECIFIED DENSITY METHOD, THE TOP 12 INCHES OF MATERIAL PRIOR TO PLACING ANY FILL MATERIALS OR CLASS 5 AGGREGATE BASE.

APPROVED: 4 - 2016		CITY PLATE No. STR-6	STANDARD DETAILS: 28' - RURAL STREET

LINE TYPE & SYMBOL LEGEND



I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

NAME: _____ LIC. NO. _____ DATE 00-00-2018

DESIGNED BJH
DRAWN BJH
CHECKED ..

LHB PERFORMANCE DRIVEN DESIGN.
LHBcorp.com 21 W. Superior St., Ste. 500 | Duluth, MN 55802 | 218.727.8446

RUM RIVER PRAIRIE DEVELOPMENT

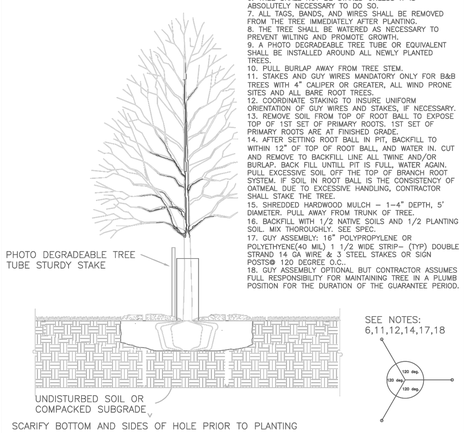
ROAD PLAN & PROFILE

SHEET C3

PLOT DATE: 12/29/2017 10:49:01 AM FILE: C:\Users\bjhunin\Desktop\170163 Eric Thompsen Armstrong Blvd\600 Drawings\Survey\170163 preliminary plat 12-21-17.dwg

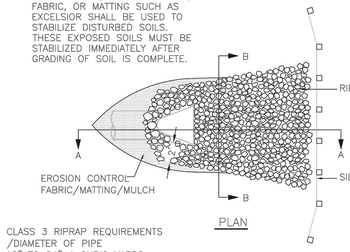
THE PLANTING DEPTH OF EACH TREE WILL BE INSPECTED. ANY TREE PLANTED TOO DEEPLY OR WITH 1ST PRIMARY ROOTS BURIED WILL BE REJECTED.

1. ALL TREES TO BE PREMIUM QUALITY, NO "PARK GRADE" TREES ARE PERMITTED.
2. AFTER INSTALLATION, TRIM OUT DEADWOOD AND/OR DEFORMED TWIGS. DO NOT CUT LEADER.
3. AMENDED SOIL SHALL CONTAIN 5% ORGANIC MATTER BY VOLUME.
4. DIAMETER OF HOLE SHALL BE 1–2" LARGER THAN THE DIAMETER OF THE ROOTBALL OR ROOT MASS.
5. ORGANIC MATTER SHALL NOT BE BANKED AGAINST THE STEM OR TRUNK OF THE TREE.
6. TREE SHALL NOT BE STAKED UNLESS IT IS ABSOLUTELY NECESSARY TO DO SO.
7. ALL TAGS, BANDS, AND WIRES SHALL BE REMOVED FROM THE TREE IMMEDIATELY AFTER PLANTING.
8. THE TREE SHALL BE WATERED AS NECESSARY TO PREVENT WILTING AND PROMOTE GROWTH.
9. A PHOTO DEGRADEABLE TREE TUBE OR EQUIVALENT SHALL BE INSTALLED AROUND ALL NEWLY PLANTED TREES.
10. PULL BURLAP AWAY FROM TREE STEM.
11. STAKES AND GUY WIRES MANDATORY ONLY FOR B&B TREES WITH 4" CALIPER OR GREATER, ALL WIND PRONE SITES AND ALL BARE ROOT TREES.
12. COORDINATE STAKING TO INSURE UNIFORM ORIENTATION OF GUY WIRES AND STAKES, IF NECESSARY.
13. REMOVE SOIL FROM TOP OF ROOT BALL TO EXPOSE TOP OF 1ST SET OF PRIMARY ROOTS. 1ST SET OF PRIMARY ROOTS ARE AT FINISHED GRADE.
14. AFTER SETTING ROOT BALL IN PIT, BACKFILL TO WITHIN 12" OF TOP OF ROOT BALL, AND WATER IN. CUT AND REMOVE TO BACKFILL LINE ALL TWINE AND/OR BURLAP. BACK FILL UNTILL PIT IS FULL, WATER AGAIN. PULL EXCESSIVE SOIL OFF THE TOP OF BRANCH ROOT SYSTEM. IF SOIL IN ROOT BALL IS THE CONSISTENCY OF OATMEAL DUE TO EXCESSIVE HANDLING, CONTRACTOR SHALL STAKE THE TREE.
15. SHREDDED HARDWOOD MULCH – 1–4" DEPTH, 5' DIAMETER. PULL AWAY FROM TRUNK OF TREE.
16. BACKFILL WITH 1/2 NATIVE SOILS AND 1/2 PLANTING SOIL. MIX THOROUGHLY. SEE SPEC.
17. GUY ASSEMBLY: 16" POLYPROPYLENE OR POLYETHYENE(40 MIL) 1 1/2 WIDE STRIP– (TYP) DOUBLE STRAND 14 GA WIRE & 3 STEEL STAKES OR SIGN POSTS@ 120 DEGREE O.C.
18. GUY ASSEMBLY OPTIONAL BUT CONTRACTOR ASSUMES FULL RESPONSIBILITY FOR MAINTAINING TREE IN A PLUMB POSITION FOR THE DURATION OF THE GUARANTEE PERIOD.



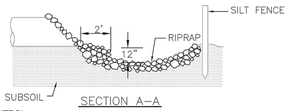
APPROVED: 5 – 1997	City of RAMSEY	STANDARD DETAILS: TREE PLANTING
		CITY PLATE No. PARK–2

ON SLOPES 4:1 OR GREATER, ANCHOR OR STRAIGHT DISKED STRAW MULCH, SEEDED NETTING, FABRIC, OR MATTING SUCH AS EXCELSIOR SHALL BE USED TO STABILIZE DISTURBED SOILS. THESE EXPOSED SOILS MUST BE STABILIZED IMMEDIATELY AFTER GRADING OF SOIL IS COMPLETE.



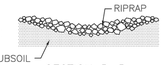
PLAN

CLASS 3 RIPRAP REQUIREMENTS /DIAMETER OF PIPE
12" TO 24" 4 CUBIC YARDS
27" TO 33" 8 CUBIC YARDS
36" TO 48" 12 CUBIC YARDS
54" AND UP 16 CUBIC YARDS
(ONE CUBIC YARD IS APPROX. 2,800 LBS.)



SECTION A–A

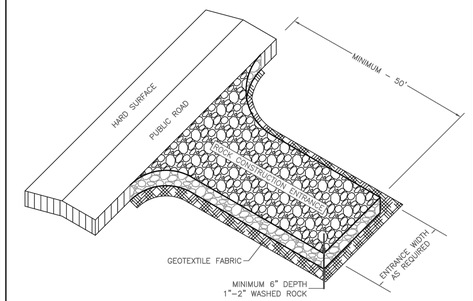
A SKIRTING OF EROSION CONTROL FABRIC OR MULCH MUST BE USED TO PROTECT OUTLETS AS ILLISTRATED REGARDLESS OF SLOPE



SECTION B–B

RIP–RAP AT R.C.P. OUTLET
NO SCALE

APPROVED: 1 – 2016	City of RAMSEY	STANDARD DETAILS: RIP–RAP
		CITY PLATE No. ERO–3



NOTE:
1. MINIMUM CONSTRUCTION ENTRANCE WIDTH EQUAL TO PROPOSED ROADWAY WIDTH.
2. WIDTH OF RADIUS AS REQUIRED TO ENSURE VEHICLES DO NOT TRACK ONTO PUBLIC ROAD.
3. MAINTAINENCE AS REQUIRED TO PREVENT TRACKING ONTO PUBLIC ROADS. THIS MAY REQUIRE TOP DRESSING WITH ADDITIONAL ROCK OR REMOVAL AND REINSTALLATION OF THE ENTRANCE AS NEEDED.

NOT TO SCALE

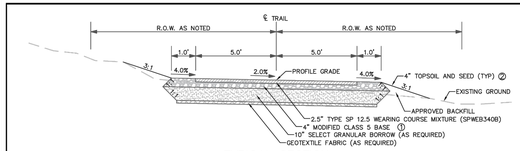
APPROVED: 1 – 2016	City of RAMSEY	STANDARD DETAILS: ROCK CONSTRUCTION ENTRANCE
		CITY PLATE No. ERO–5

MNDOT 2016 SPEC

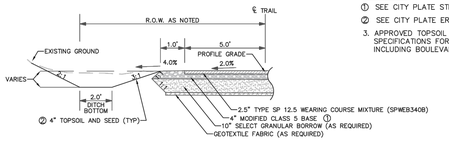
MNDOT 2016 SPEC TABLE 3877–1 COMMON TOPSOIL BORROW		
REQUIREMENT	RANGE	TEST METHOD
MATERIAL PASSING THE 3/4 IN [19MM]	100%	ASTM D 422
MATERIAL PASSING NO. 4 [4.75MM]	>85%	–
CLAY	5% –35%	ASTM D 422
SILT	5% – 70%	ASTM D 422
SAND	10% – 75%	ASTM D 422
ORGANIC MATTER	3% – 15%	ASTM D 2974
pH	6.1–7.8	ASTM G 51

NOTE:
1. INSTALLATION OF 4" OF TOPSOIL MEETING MNDOT SPECIFICATION 3877A COMMON TOPSOIL BORROW, MAY BE REQUIRED ACROSS ALL DISTURBED AREAS.
2. A SOIL CERTIFICATION FROM A GEOTECHNICAL FIRM MUST BE PROVIDED VERIFYING THE TOPSOIL MEETS SPECIFICATION ALONG WITH LOAD TICKETS TO VERIFY THE SOURCE OF MATERIAL AND QUANTITY.
3. TOPSOIL MUST COME FROM A CITY APPROVED SOURCE.

APPROVED: 1 – 2016	City of RAMSEY	CITY PLATE No. ERO–6	STANDARD DETAILS: TOPSOIL REQUIREMENTS



TYPICAL SECTION

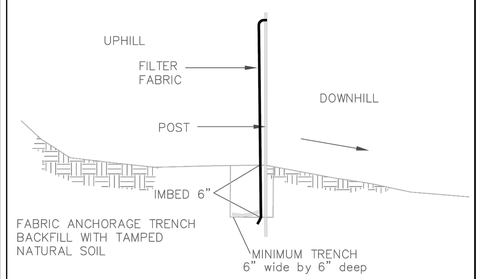


DITCH SECTION

NOTES:
① SEE CITY PLATE STR–26
② SEE CITY PLATE ERO–6
3. APPROVED TOPSOIL MUST MEET ORGANIC CONTENT SPECIFICATIONS FOR ENTIRE BOULEVARD IN AREAS INCLUDING BOULEVARD TREES.

NOTE: NOT TO SCALE

APPROVED: 1 – 2016	City of RAMSEY	CITY PLATE No. PARK–1	STANDARD DETAILS: BITUMINOUS TRAIL

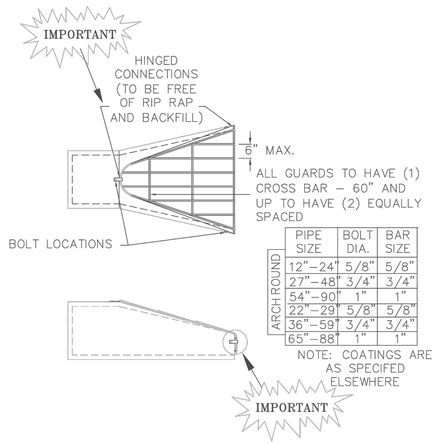


INSTALL AS PER FILTER FABRIC MANUFACTURER'S RECOMMENDATIONS

SILT FENCE DETAIL
NO SCALE

APPROVED: 1 – 2016	City of RAMSEY	STANDARD DETAILS: SILT FENCE
		CITY PLATE No. ERO–1

NOTE:
GUARDS MUST BE INCORPORATED ON ALL INSTALLATIONS EXCEPT WHERE SPECIFICALLY ALLOWED OTHERWISE BY THE CITY ENGINEER.



ARCH ROUND PIPE SIZE	BOLT DIA.	BAR SIZE
12"–24"	5/8"	5/8"
27"–48"	3/4"	3/4"
54"–90"	1"	1"
22"–29"	5/8"	5/8"
36"–59"	3/4"	3/4"
65"–88"	1"	1"

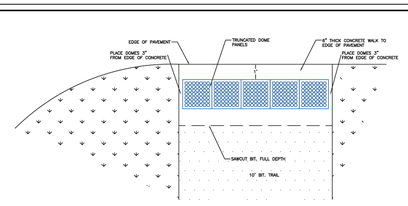
APPROVED: 2 – 2006	City of RAMSEY	STANDARD DETAILS: TRASH GUARD
		CITY PLATE No. STO–8

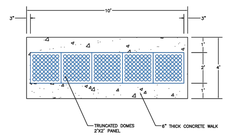
TABLE A
MODIFIED CLASS 5 SPECIFICATIONS
% PASSING

1"	100
3/4"	90 – 100
3/8"	50 – 80
No.4	35 – 70
No.10	20 – 60
No.40	10 – 35
No.200	5 – 10

NOTES:
1. THE AGGREGATE BASE CONSTRUCTION WILL BE ACCEPTED FOR PAYMENT IN ACCORDANCE WITH THE PROVISIONS IN TABLE A.
2. IF THE AGGREGATE BASE FAILS TO MEET THE REQUIREMENTS OF TABLE A THE MATERIAL CAN BE CORRECTED IN PLACE OR REMOVED AND REPLACED WITH MATERIAL THAT MEET THE REQUIREMENTS OF TABLE A.
3. IN THE EVENT THAT RECYCLED MATERIAL IS USE IT MUST MEET MNDOT REQUIREMENTS FOR RECYCLED BASE.

APPROVED: 2 – 2003	City of RAMSEY	STANDARD DETAILS: MODIFIED CLASS 5 SPECIFICATIONS
		CITY PLATE No. STR–26





NOTE:
1. SAWCUT BIT. FULL DEPTH / REMOVE BIT.
2. PLACE 6" THICK CONCRETE FOR TRUNCATED DOMES UP TO EDGE OF PAVEMENT.
3. MEDIUM BROOM FINISH ON CONCRETE.
4. MAINTAIN 3" FROM EDGE OF TRUNCATED DOMES AND CONCRETE EDGE.
5. IT MAY BE NECESSARY TO TRIM TRUNCATED DOME PANELS.

NOTE: NOT TO SCALE

APPROVED: 7 – 2015	City of RAMSEY	STANDARD DETAILS: TRUNCATED DOME PLACEMENT – BITUMINOUS TRAIL NO CURB
		CITY PLATE No. STR–28

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

NAME: _____ LIC. NO. -- -- DATE 00–00–2018

DESIGNED BJH
DRAWN BJH
CHECKED ..

LHB PERFORMANCE DRIVEN DESIGN.
LHBcorp.com 21 W. Superior St., Ste. 500 | Duluth, MN 55802 | 218.727.8446

RUM RIVER PRAIRIE DEVELOPMENT

DETAILS

SHEET D1

PLOT DATE: 12/29/2017 10:55:50 AM FILE: C:\Users\bjhunin\Desktop\170163 Eric Thompsen Armstrong Blvd\600 Drawings\Survey\170163 preliminary plat 12-21-17.dwg

LINE TYPE & SYMBOL LEGEND

P | S	DRAIN FIELD LOC. P = PRIMARY S = SECONDARY
A	FLARED END SECTION
	CULVERT
W	PROPOSED WELL LOC.
SB1	SOIL BORING LOC. W/ NUMBER
	EXISTING TREE (PRESERVE)
	EXISTING TREE (REMOVE)
	DRAINAGE FLOW ARROW
N 90°00'00" E 94.50	PLAT BOUNDARY
94.50	LOT LINE
	R/W
	SETBACK
WET WET	WETLAND EDGE
900	PROPOSED CONTOUR
900	EXISTING CONTOUR
	EASEMENT
	SILT FENCE
	TREE FENCE
	EDGE OF BIT.
	CENTERLINE
	FUTURE BIT. TRAIL

POND NOTES

INFILTRATION PONDS SHALL BE EXCAVATED BY USE OF BACKHOE WITH A TOOTHED BUCKET.

BOTTOM OF PONDS SHALL NOT BE COMPACTED.

NO TOPSOIL TO BE PLACED IN PONDS.

PONDS TO BE SEEDED WITH MnDOT SEED MIX 33-262 (44 lb/ac).

PLACE SILT FENCE (SECONDARY) IMMEDIATELY AFTER GRADING COMPLETION. THIS FENCING TO REMAIN IN PLACE UNTIL VEGETATION IS ESTABLISHED IN THE PONDS.

ACCESS TO PONDS SHALL BE MAINTAINED VIA EASEMENTS.

NOTE: STREETS TO BE SWEPT DAILY OR AS DIRECTED BY THE CITY ENGINEER.

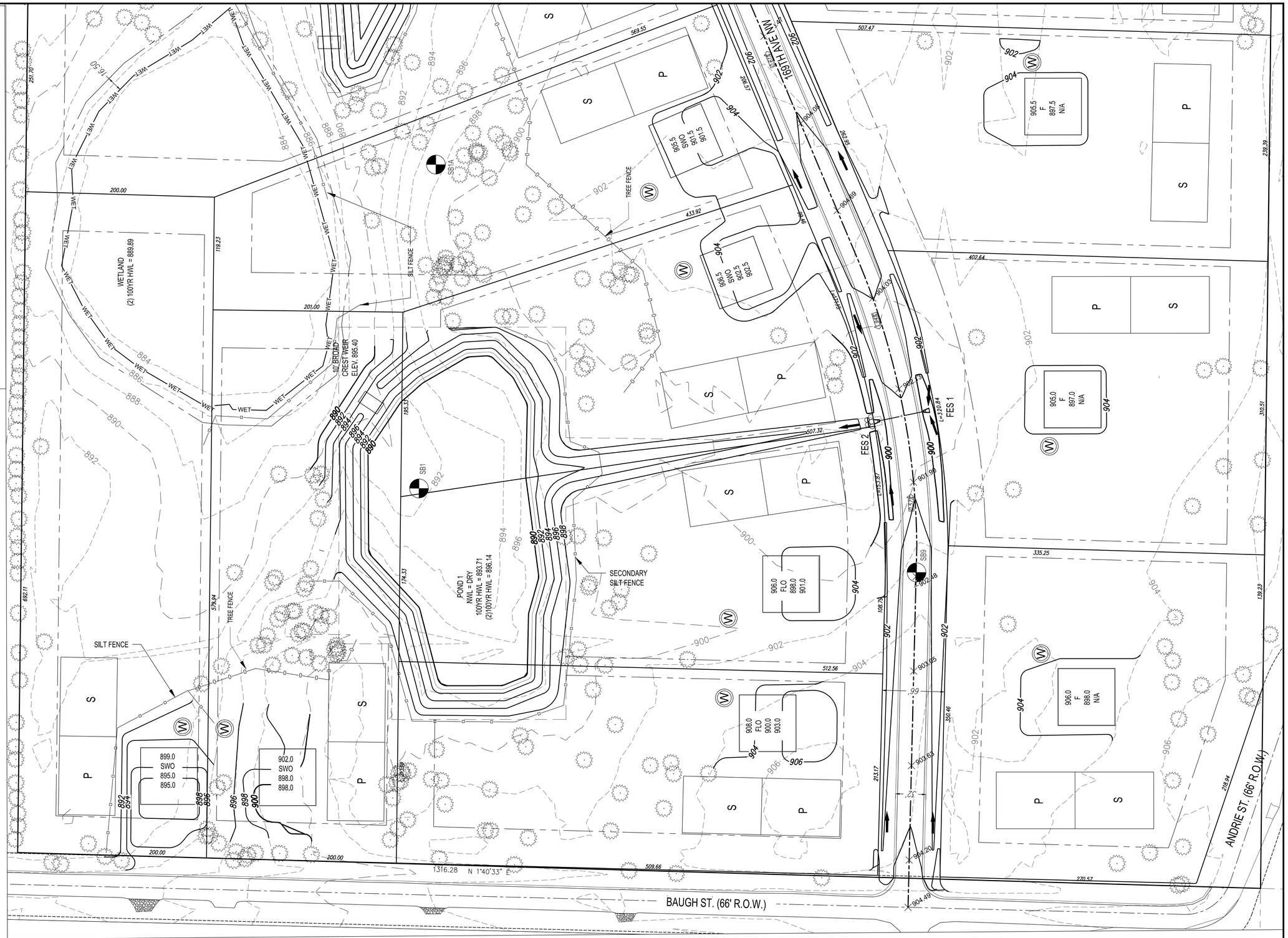
NOTE: NO ACTIVITY, OTHER THAN POND CONSTRUCTION, SHALL BE ALLOWED IN THE INFILTRATION POND AREAS.

NOTE: TREES TO REMAIN SHALL BE PROTECTED FROM CONSTRUCTION ACTIVITY BY MEANS OF FENCING OR OTHER APPROVED METHOD. TREE FENCING TO BE PLACED BY HAND AND PRIOR TO SILT FENCE PLACEMENT.

NOTE: BUILDING PADS & DRAINFIELD SITE FOR GRAPHICAL PURPOSES ONLY. ACTUAL LOCATIONS MAY VARY.

NOTE: DRAINFIELD LOCATIONS, WHEN DETERMINED, SHALL BE PROTECTED FROM CONSTRUCTION ACTIVITIES.

0 25' 50' 100'



	I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA. NAME: _____ LIC. NO. _ _ _ _ DATE 00-00-2018	DESIGNED BJH DRAWN BJH CHECKED ..	PERFORMANCE DRIVEN DESIGN. LHBcorp.com 21 W. Superior St., Ste. 500 | Duluth, MN 55802 | 218.727.8446

RUM RIVER PRAIRIE DEVELOPMENT

SITE GRADING PLAN

SHEET G1

PLOT DATE: 12/29/2017 10:50:05 AM FILE: C:\Users\bjhunin\Desktop\170163 Eric Thompsen Armstrong Blvd\600 Drawings\Survey\170163 preliminary plot 12-21-17.dwg

LINE TYPE & SYMBOL LEGEND

P | S	DRAIN FIELD LOC. P = PRIMARY S = SECONDARY
	FLARED END SECTION
	CULVERT
W	PROPOSED WELL LOC.
SB1	SOIL BORING LOC. W/ NUMBER
	EXISTING TREE (PRESERVE)
	EXISTING TREE (REMOVE)
N 90°00'00" E 94.50	DRAINAGE FLOW ARROW
	PLAT BOUNDARY
94.50	LOT LINE
	R/W
	SETBACK
WET WET	WETLAND EDGE
900	PROPOSED CONTOUR
900	EXISTING CONTOUR
	EASEMENT
	SILT FENCE
	TREE FENCE
	EDGE OF BIT.
	CENTERLINE
	FUTURE BIT. TRAIL

POND NOTES

INFILTRATION PONDS SHALL BE EXCAVATED BY USE OF BACKHOE WITH A TOOTHED BUCKET.

BOTTOM OF PONDS SHALL NOT BE COMPACTED.

NO TOPSOIL TO BE PLACED IN PONDS.

PONDS TO BE SEEDED WITH MnDOT SEED MIX 33-262 (44 lb/ac).

PLACE SILT FENCE (SECONDARY) IMMEDIATELY AFTER GRADING COMPLETION. THIS FENCING TO REMAIN IN PLACE UNTIL VEGETATION IS ESTABLISHED IN THE PONDS.

ACCESS TO PONDS VIA EASEMENTS.

NOTE: STREETS TO BE SWEPT DAILY OR AS DIRECTED BY THE CITY ENGINEER.

NOTE: NO ACTIVITY, OTHER THAN THE CONSTRUCTION OF, SHALL BE ALLOWED IN THE INFILTRATION POND AREAS.

NOTE: TREES TO REMAIN SHALL BE PROTECTED FROM CONSTRUCTION ACTIVITY BY MEANS OF FENCING OR OTHER APPROVED METHOD. TREE FENCING TO BE PLACED BY HAND AND PRIOR TO SILT FENCE PLACEMENT.

NOTE: BUILDING PADS & DRAINFIELD SITE FOR GRAPHICAL PURPOSES ONLY. ACTUAL LOCATION MAY VARY.

NOTE: DRAINFIELD LOCATIONS, WHEN DETERMINED, ARE TO BE PROTECTED FROM CONSTRUCTION ACTIVITIES.

0 25' 50' 100'

ARMSTRONG BLVD (150' R.O.W.)

FUTURE 10' BITUMINOUS TRAIL

169TH AVE NW

SECONDARY SILT FENCE

POND 2
NWL= DRY
100YR HWL = 889.24
(2)100YR HWL = 893.05

10' BROAD CREST WEIR ELEV. 892.80

FES 3

FES 4

S 89°17'21" E 2642.87

N 89°17'26" W 2646.95

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

NAME: _____ LIC. NO. __ __ __ DATE 00-00-2018

DESIGNED BJH
DRAWN BJH
CHECKED ..

PERFORMANCE DRIVEN DESIGN.
LHBcorp.com 21 W. Superior St., Ste. 500 | Duluth, MN 55802 | 218.727.8446

RUM RIVER PRAIRIE DEVELOPMENT

SITE GRADING PLAN

SHEET G2

PLOT DATE: 12/29/2017 10:51:21 AM FILE: C:\Users\bjhunin\Desktop\170163 Eric Thompsen Armstrong Blvd\600 Drawings\Survey\170163 preliminary plot 12-21-17.dwg

0 25 50 100

LINE TYPE & SYMBOL LEGEND

P | S	DRAIN FIELD LOC. P = PRIMARY S = SECONDARY
A	FLARED END SECTION
	CULVERT
W	PROPOSED WELL LOC.
SB1	SOIL BORING LOC. W/ NUMBER
	EXISTING TREE (PRESERVE)
	EXISTING TREE (REMOVE)
	DRAINAGE FLOW ARROW
N 90°00'00" E 94.50	PLAT BOUNDARY
94.50	LOT LINE
	R/W
	SETBACK
WET WET	WETLAND EDGE
900	PROPOSED CONTOUR
900	EXISTING CONTOUR
	EASEMENT
	SILT FENCE
	TREE FENCE
	EDGE OF BIT.
	CENTERLINE
	FUTURE BIT. TRAIL

POND NOTES

INFILTRATION PONDS SHALL BE EXCAVATED BY USE OF BACKHOE WITH A TOOTHED BUCKET.

BOTTOM OF PONDS SHALL NOT BE COMPACTED.

NO TOPSOIL TO BE PLACED IN PONDS.

PONDS TO BE SEEDED WITH MnDOT SEED MIX 33-262 (44 lb/ac).

PLACE SILT FENCE (SECONDARY) IMMEDIATELY AFTER GRADING COMPLETION. THIS FENCING TO REMAIN IN PLACE UNTIL VEGETATION IS ESTABLISHED IN THE PONDS.

ACCESS TO PONDS VIA EASEMENTS.

NOTE: STREETS TO BE SWEPT DAILY OR AS DIRECTED BY THE CITY ENGINEER.

NOTE: NO ACTIVITY, OTHER THAN THE CONSTRUCTION OF, SHALL BE ALLOWED IN THE INFILTRATION POND AREAS.

NOTE: TREES TO REMAIN SHALL BE PROTECTED FROM CONSTRUCTION ACTIVITY BY MEANS OF FENCING OR OTHER APPROVED METHOD. TREE FENCING TO BE PLACED BY HAND AND PRIOR TO SILT FENCE PLACEMENT.

NOTE: BUILDING PADS & DRAINFIELD SITE FOR GRAPHICAL PURPOSES ONLY. ACTUAL LOCATION MAY VARY.

NOTE: DRAINFIELD LOCATIONS, WHEN DETERMINED, ARE TO BE PROTECTED FROM CONSTRUCTION ACTIVITIES.

TIGER ST. (66' R.O.W.)

S 1°29'54" W 1316.15

SECONDARY SILT FENCE

ROCK CONST. ENTRANCE

170TH CT NW

POND 4 NWL= DRY 100YR HWL = 895.00 (2) 100YR HWL = 898.85

SECONDARY SILT FENCE

TRUNCATED DOME PER STR-28

FUTURE 10' BITUMINOUS TRAIL

EX. 18"CULVERT

10' BROAD CREST WEIR ELEV. 899.0

SECONDARY SILT FENCE

TREE FENCE

ROCK CONST. ENTRANCE

TREE FENCE

TREE FENCE

TREE FENCE

POND 3 NWL= DRY 100YR HWL = 899.31

169TH AVE NW

FES 6"

FES 5"

905.5 SWO 902.0 902.0

900.0 FWO 892.0 892.0

894.0 F 896.0 N/A

909.0 SWO 906.0 908.0

908.0 SWO 905.0 905.0

908.0 F 900.0 N/A

DESIGNED	BJH
DRAWN	BJH
CHECKED	..

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

NAME: _____ LIC. NO. -- -- DATE 00-00-2018

LHB PERFORMANCE DRIVEN DESIGN.

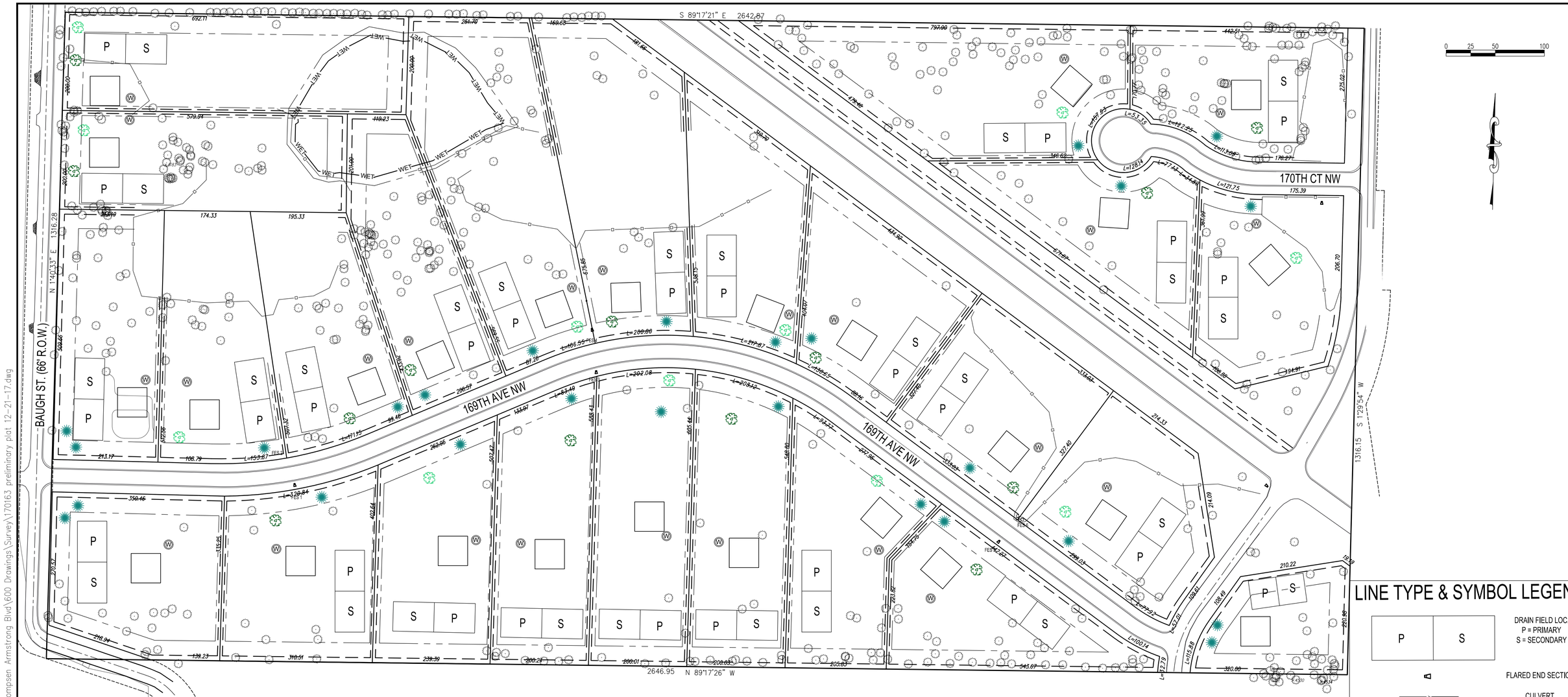
LHBcorp.com 21 W. Superior St., Ste. 500 | Duluth, MN 55802 | 218.727.8446

RUM RIVER PRAIRIE DEVELOPMENT

SITE GRADING PLAN

SHEET G3

PLOT DATE: 12/29/2017 10:52:19 AM FILE: C:\Users\bjhunin\Desktop\170163 Eric Thompsen Armstrong Blvd\600 Drawings\Survey\170163 preliminary plat 12-21-17.dwg



TREE PROTECTION FENCE SHALL BE INSTALLED AND THE LOCATION APPROVED BY THE CITY BEFORE COMMENCEMENT OF OTHER WORK, INCLUDING SILT FENCE INSTALLATION.

AN ARBORIST SHALL BE CONSULTED TO DEVELOP A PLAN TO PROTECT EXISTING OAK TREES FROM OAK WILT.

ANY CLEARING OF OAK TREES SHALL BE PERFORMED PRIOR TO APRIL 15TH OR AFTER JULY 15TH TO MINIMIZE EXPOSURE OR INTRODUCTION OF OAK WILT.

PLANTING DEPTH SHALL BE SUCH THAT THE 1ST SITE OF PRIMARY ROOTS IS AT FINISHED GRADE.

ONLY PRUNE OUT DEAD/BROKEN/DEFOREMED BRANCHES AT TIME OF INSTALLATION.

REMOVAL OF UPPER PORTION OF WIRE BASKET AND BURLAP AFTER BEING PLACED IN PLANTING HOLE IF USING B&B STOCK.

2-4 INCHES OF WOOD CHIP MULCH SHALL BE INCLUDED AROUND ALL TREES. MULCH SHALL NOT BE PILED AGAINST THE TRUNK OF TREES.

TOPSOIL: EACH INDIVIDUAL LOT WIL NEED TO HAVE FOUR (4) INCHES OF TOPSOIL MEETING THE CITY'S TOPSOIL SPECIFICATION. A TOPSOIL INSPECTION IS REQUIRED PRIOR TO LANDSCAPING BEING INSTALLED AND COPIES OF THE LOAD TICKETS ARE REQUIRED AS WELL. THIS IS REVIEWED AT TIME OF BUILDING PERMIT APPLICATION AND REQUEST FOR CERTIFICATE OF OCCUPANCY FOR EACH INDIVIDUAL LOT.

PLANTING REQUIREMENTS

TREES:
OVERSTORY DECIDUOUS TREES 1" DIAMETER MEASURE 6' FROM THE BASE AT PLANTING

CONIFEROUS TREES MUST HAVE A MINIMUM HEIGHT OF 6'

- MINIMUM 25% DECIDUOUS AND CONIFEROUS

PROPOSED CONIFEROUS TREES/QTY

DENOTES BLACK HILLS SPRUCE (PICEA GLAUCA DENSATA)	26 EACH

PROPOSED DECIDUOUS TREES/QTY

DENOTES RED MAPLE (ACER RUBRUM)	11 EACH
DENOTES AMERICAN LINDEN (TILIA AMERICANA)	13 EACH

LINE TYPE & SYMBOL LEGEND

- P | S — DRAIN FIELD LOC. P = PRIMARY S = SECONDARY
- A — FLARED END SECTION
- CULVERT
- W — PROPOSED WELL LOC.
- SB1 — SOIL BORING LOC. W/ NUMBER
- EXISTING TREE (PRESERVE)
- EXISTING TREE (REMOVE)
- DRAINAGE FLOW ARROW
- N 90°00'00" E 94.50 — PLAT BOUNDARY
- 94.50 — LOT LINE
- R/W
- SETBACK
- WET WET — WETLAND EDGE
- 900 — PROPOSED CONTOUR
- 900 — EXISTING CONTOUR
- EASEMENT
- SILT FENCE
- TREE FENCE
- EDGE OF BIT.
- CENTERLINE
- FUTURE BIT. TRAIL

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

NAME: _____ LIC. NO. __-__ __ DATE 00-00-2018

DESIGNED BJH | DRAWN BJH | CHECKED ..

LHB PERFORMANCE DRIVEN DESIGN.
LHBcorp.com 21 W. Superior St., Ste. 500 | Duluth, MN 55802 | 218.727.8446

RUM RIVER PRAIRIE DEVELOPMENT

TREE PLANTING PLAN

SHEET L1

PLOT DATE: 12/29/2017 10:53:33 AM FILE: C:\Users\bjhunin\Desktop\170163 Eric Thompsen Armstrong Blvd\600 Drawings\Survey\170163 preliminary plat 12-21-17.dwg

PRELIMINARY PLAT OF:

RUM RIVER PRAIRIE

OWNER/DEVELOPER

Brookview Estates, LLC
6210 Green Valley Road
Ramsey, MN 55303

PROPERTY DESCRIPTION

S ½ of the NE ¼ of Section 7, Township 32, Range 25

NOTE

Proposed septic areas shown hereon are approximate and for informational purposes only. It is the responsibility of the landowner to determine a final location for the septic area.

NET DENSITY

25 Single-Family dwellings
1 Dwelling per 2.67 Acres (Including Block 4 Lot 1, which has a variance to allow smaller area)

ZONING

Rum River Prairie – R-1: Rural Developing (outside MUSA)

East, North, and West – R-1: Rural Developing (outside MUSA)

South – PUD: Planned Unit Development

SETBACKS

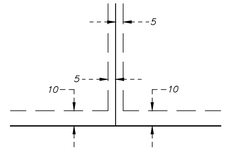
Front:	*40'*
Side:	*10'*
Rear:	*40'*



LOT AREA TABULATION

BLOCK 1		
LOT 1	*139,816 s.f.*	*3.21 Acres*
LOT 2	*116,856 s.f.*	*2.68 Acres*
LOT 3	*108,955 s.f.*	*2.50 Acres*
LOT 4	*111,933 s.f.*	*2.57 Acres*
LOT 5	*108,937 s.f.*	*2.50 Acres*
LOT 6	*109,299 s.f.*	*2.51 Acres*
LOT 7	*175,192 s.f.*	*4.02 Acres*
LOT 8	*158,816 s.f.*	*3.65 Acres*
LOT 9	*108,959 s.f.*	*2.50 Acres*
LOT 10	*108,900 s.f.*	*2.50 Acres*
LOT 11	*109,830 s.f.*	*2.52 Acres*
LOT 12	*108,901 s.f.*	*2.50 Acres*
BLOCK 2		
LOT 1	*110,919 s.f.*	*2.55 Acres*
LOT 2	*111,266 s.f.*	*2.55 Acres*
LOT 3	*108,917 s.f.*	*2.50 Acres*
LOT 4	*110,202 s.f.*	*2.53 Acres*
LOT 5	*120,579 s.f.*	*2.77 Acres*
LOT 6	*116,740 s.f.*	*2.68 Acres*
LOT 7	*109,148 s.f.*	*2.51 Acres*
LOT 8	*108,972 s.f.*	*2.50 Acres*
BLOCK 3		
LOT 1	*108,935 s.f.*	*2.50 Acres*
LOT 2	*109,019 s.f.*	*2.51 Acres*
LOT 3	*161,200 s.f.*	*3.70 Acres*
LOT 4	*108,974 s.f.*	*2.50 Acres*
BLOCK 4		
LOT 1	*59,760 s.f*	*1.37 Acres*
R.O.W.	*570,582 s.f.*	*13.10 Acres*
TOTAL	*3,481,607 s.f.*	*79.93 Acres*

DRAINAGE AND UTILITY EASEMENTS ARE SHOWN THUS:



BEING 5 FEET IN WIDTH AND ADJOINING SIDE LOT LINES, ALSO BEING 10 FEET IN WIDTH AND ADJOINING RIGHT-OF-WAY AND REAR LOT LINES, UNLESS OTHERWISE SHOWN ON THIS PLAT.

LEGEND

—— – – ——	*DENOTES BUILDING SETBACK LINE*
— — — —	*DENOTES DRAINAGE AND UTILITY EASEMENT*
x 250	*SEPTIC BORING LOCATION AND NUMBER*

I HEREBY CERTIFY THAT THIS SURVEY WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION, AND THAT I AM A DULY REGISTERED LAND SURVEYOR UNDER THE LAWS OF THE STATE OF MINNESOTA.

KYLE J. RODDY, MN LIC. NO 42627 *DATED: 12/26/17*

COPYRIGHT 2016 BY LHB, INC. ALL RIGHTS RESERVED.

LHB
PERFORMANCE DRIVEN DESIGN.
LHBcorp.com
200 3rd Ave NE, Suite 100 | Cambridge, MN 55008 | 763.689.4042

STORM WATER POLLUTION PREVENTION PLAN (SWPPP) NARRATIVE

1. GENERAL

THE MINNESOTA POLLUTION CONTROL AGENCY (MPCA) REGULATES STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY DISTURBING LAND EQUAL TO OR GREATER THAN ONE ACRE THROUGH A GENERAL PERMIT (PERMIT NO. MN R100001) AUTHORIZING THE DISCHARGE OF STORMWATER ASSOCIATED WITH CONSTRUCTION ACTIVITY TO WATERS OF THE STATE IN COMPLIANCE WITH THE CLEAN WATER ACT AND THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM/STATE DISPOSAL SYSTEM (NPDES/SDS) PROGRAM. THE GENERAL PERMIT (PERMIT) REQUIRES THE DEVELOPMENT AND IMPLEMENTATION OF A STORM WATER POLLUTION PREVENTION PLAN (SWPPP). THE SWPPP IS A COMBINATION OF NARRATIVE, PLANS SHEETS, AND STANDARD DETAIL SHEETS THAT ADDRESS THE FORESEEABLE CONDITIONS AT ANY STAGE IN THE CONSTRUCTION OR POST-CONSTRUCTION ACTIVITIES.

2. ADMINISTRATIVE REQUIREMENTS

A. RESPONSIBLE PARTIES: THE OWNER AND GENERAL CONTRACTOR (CONTRACTOR) ARE CO-PERMITTEES OF THE PERMIT AND ARE JOINTLY RESPONSIBLE FOR COMPLIANCE WITH TERMS AND CONDITIONS OF THE PERMIT. OBTAIN A COPY OF THE PERMIT AND COMPLY WITH PARTS II.B, II.C, III.B-F, IV, V, AND APPLICABLE CONSTRUCTION ACTIVITY REQUIREMENTS FOUND IN APPENDIX A, PART C OF THE PERMIT. VERIFY THAT PERMIT REQUIREMENTS ARE SATISFIED AND COMPLETE THE BLANKS ON THIS SWPPP SHEET.

B. PERMIT APPLICATION: THE CONTRACTOR IS RESPONSIBLE FOR COMPLETING THE PERMIT APPLICATION ON-LINE AND PAYING THE APPLICATION FEE. OWNER AND CONTRACTOR MUST BOTH MUST SIGN THE APPLICATION. OBTAIN A COPY OF THE PERMIT AND APPLY ON-LINE AT THE MPCA CONSTRUCTION STORM WATER WEBSITE: http://www.pca.state.mn.us/water/stormwater/stormwater-c.html.

C. PERMIT COVERAGE: PERMIT COVERAGE TYPICALLY BECOMES EFFECTIVE SEVEN (7) CALENDAR DAYS AFTER THE ELECTRONIC SUBMITTAL DATE. DO NOT BEGIN LAND DISTURBING CONSTRUCTION ACTIVITIES UNTIL PERMIT COVERAGE IS EFFECTIVE. THE START OF ANY LAND DISTURBING ACTIVITIES SIGNIFIES THAT THE CONTRACTOR IS ASSUMING RESPONSIBILITY FOR PERMIT COVERAGE AND HAS COMPLIED WITH PERMIT REQUIREMENTS.

D. NOTIFICATION OF COVERAGE: THE CONTRACTOR WILL RECEIVE A NOTIFICATION OF COVERAGE FROM THE MPCA (E.G., VIA EMAIL, ONLINE NOTIFICATION, OR LETTER). KEEP OR POST A COPY OF THE NOTIFICATION OF COVERAGE WITH THE SWPPP AT THE PROJECT SITE. PROVIDE COPIES TO THE OWNER AND ENGINEER.

E. CHANGE OF COVERAGE FOR NEW OWNER OR NEW OPERATOR (CONTRACTOR): FOR A NEW OWNER OR OPERATOR, THE CURRENT OWNER, AND NEW OWNER OR OPERATOR, MUST SUBMIT A PERMIT MODIFICATION FORM PRIOR TO THE NEW OWNER OR OPERATOR COMMENCING CONSTRUCTION ACTIVITY. CONTACT THE MPCA AT 800-657-3864 FOR THIS FORM. THE CURRENT OWNER MUST ALSO SUBMIT A NOTICE OF TERMINATION (NOT) FORM AS NOTED BELOW WHEN THE OWNERSHIP OF THE PROPERTY CHANGES, AS NOTED BELOW.

F. TERMINATION OF COVERAGE: THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH THE OWNER AND TERMINATING PERMIT COVERAGE BY COMPLETING AND SUBMITTING A NOTICE OF TERMINATION (NOT) FORM TO THE MPCA. A NOTICE OF TERMINATION MUST BE SUBMITTED WITHIN 30 DAYS AFTER FINAL STABILIZATION HAS BEEN ESTABLISHED FOR THE SITE AND CONSTRUCTION ACTIVITY IS COMPLETE, OR WHEN THE OWNER OR OPERATOR CHANGES. COMPLIANCE WITH PERMIT REQUIREMENTS IS REQUIRED UNTIL SUBMISSION OF A NOTICE OF TERMINATION.

G. RECORD RETENTION: THE CONTRACTOR SHALL KEEP A COPY OF THE SWPPP, INCLUDING ALL CHANGES TO IT, AND INSPECTIONS AND MAINTENANCE RECORDS ON SITE DURING CONSTRUCTION. THIS DOCUMENTATION MUST BE KEPT ON FILE FOR 3 YEARS AFTER SUBMITTAL OF THE NOTICE OF TERMINATION. COORDINATE TRANSFER OF THIS DOCUMENTATION TO THE OWNER AT PROJECT COMPLETION.

H. CHANGES (AMENDMENTS) TO SWPPP: UPDATE AND DOCUMENT CHANGES TO THE SWPPP AS NECESSARY DURING CONSTRUCTION, AND AS REQUIRED BY THE PERMIT ACCORDING TO PART III.B OF THE PERMIT.

3. CONSTRUCTION ACTIVITY REQUIREMENTS

A. GENERAL: COMPLY WITH PART IV.A OF THE PERMIT TO IMPLEMENT THE SWPPP AND THE REQUIREMENTS OF THE PERMIT. THE BEST MANAGEMENT PRACTICES (BMPS) IDENTIFIED IN THE SWPPP AND PERMIT MUST BE SELECTED, INSTALLED, AND MAINTAINED IN AN APPROPRIATE AND FUNCTIONAL MANNER IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS, MANUFACTURER RECOMMENDATIONS, AND ACCEPTED ENGINEERING PRACTICES.

B. EROSION PREVENTION PRACTICES: PLAN FOR AND IMPLEMENT CONSTRUCTION PRACTICES TO SATISFY PART IV.B OF THE PERMIT. STABILIZE EXPOSED SOIL AREAS AS SOON AS POSSIBLE, BUT IN NO CASE LATER THAN 14 DAYS AFTER CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED. AMEND SWPPP BY INDICATING THE LOCATION OF AREAS WHERE CONSTRUCTION WILL BE PHASED TO MINIMIZE DURATION OF EXPOSED SOIL AREAS. COMMON EROSION PREVENTION PRACTICES INCLUDE:

1) MARKING AND DELINEATING AREAS OF THE SITE NOT TO BE DISTURBED (WITH FLAGS, STAKES, SIGNS, SILT FENCE, ETC.).
2) STABILIZE THE LAST 200 LINEAL FEET OF ANY TEMPORARY OR PERMANENT DRAINAGE DITCH OR SWALE WITHIN 24 HOURS AFTER CONNECTING TO RECEIVING SURFACE WATER OR STORM SEWER INLET.
3) "INITIATE IMMEDIATELY" (SEE APPENDIX B FOR DEFINITION) SOIL STABILIZATION AS SOON AS EARTH-DISTURBING ACTIVITIES HAVE CEASED.
4) PROVIDE TEMPORARY OR PERMANENT ENERGY DISSIPATION TO PIPE OUTLETS WITHIN 24 HOURS OF CONNECTING TO A SURFACE WATER.
5) WHERE FEASIBLE THE DESIGN OF THE SITE DIRECTS STORMWATER TO VEGETATED AREAS, TO INCREASE SEDIMENT REMOVAL.

C. SEDIMENT CONTROL PRACTICES: PLAN FOR AND IMPLEMENT CONSTRUCTION PRACTICES THAT MINIMIZE SEDIMENT FROM ENTERING SURFACE WATERS, INCLUDING BUT NOT LIMITED TO, CURB AND GUTTER SYSTEMS AND STORM SEWER INLETS TO SATISFY PART IV.C OF THE PERMIT. PROVIDE TEMPORARY SEDIMENTATION BASINS WHERE 5 OR MORE ACRES OF DISTURBED SOIL DRAIN TO A COMMON LOCATION AS APPROVED BY LHB (SEE PART III.C OF THE PERMIT FOR BASIN REQUIREMENTS). COMMON SEDIMENT CONTROL PRACTICES INCLUDE:

1) MINIMIZE SOIL COMPACTION AND PRESERVE TOPSOIL.
2) ALL SEDIMENT CONTROL BMPS MUST BE ESTABLISHED ON ALL DOWN GRADIENT PERIMETERS BEFORE ANY UPGRADIENT LAND DISTURBING ACTIVITIES CAN BEGIN AND SHALL REMAIN IN PLACE UNTIL FINAL STABILIZATION IS ESTABLISHED.
3) THE TIMING FOR SEDIMENT CONTROL BMPS MAY BE ADJUSTED TO ACCOMMODATE SHORT-TERM CONSTRUCTION ACTIVITIES, SUCH AS PASSAGE OF VEHICLES, AND MUST BE COMPLETED AS QUICKLY AS POSSIBLE. SEDIMENT CONTROL BMPS MUSH BE INSTALLED IMMEDIATELY AFTER SHORT-TERM CONSTRUCTION IS COMPLETE, OR BEFORE THE NEXT PRECIPITATION EVENT IF THE ACTIVITY IS NOT COMPLETE.
4) PROTECT ALL STORM DRAIN INLETS WITH APPROPRIATE BMPS DURING CONSTRUCTION UNTIL ALL SOURCES WITH POTENTIAL FOR DISCHARGING TO THE INLET HAVE BEEN STABILIZED. INLET PROTECTION MAY ONLY BE REMOVED EARLIER IF SPECIFIC SAFETY CONCERNS (STREET FLOODING/FREEZING) HAVE BEEN BROUGHT FORTH IN WRITING BY JURISDICTIONAL AUTHORITY.
5) TEMPORARY STOCKPILES MUST HAVE SILT FENCE OR OTHER EFFECTIVE SEDIMENT CONTROLS, AND CANNOT BE PLACED IN ANY SURFACE WATERS, INCLUDING STORMWATER CONVEYANCES SUCH AS CURB AND GUTTER SYSTEMS OR DITCHES.
6) TEMPORARY SEDIMENT BASIN OUTLET STRUCTURES MUST BE DESIGNED TO WITHDRAW WATER FROM THE SURFACE.
7) ALL VEHICLE TRACKING OF SEDIMENT FROM THE CONSTRUCTION SITE, OR ONTO STREETS WITHIN THE SITE, MUST BE MINIMIZED BY BMPS SUCH AS STONE PADS, CONCRETE OR STEEL WASH RACKS, OR EQUIVALENT SYSTEMS. STREET SWEEPING MUST BE PERFORMED IF BMPS ARE NOT ADEQUATE TO PREVENT SEDIMENT FROM BEING TRACKED ONTO THE STREETS / ROADWAYS.

D. DEWATERING AND BASIN DRAINING: COMPLY WITH PART IV.D OF THE PERMIT. ENSURE THAT ALL WATER FROM DEWATERING OR BASIN DRAINING ACTIVITIES IS DISCHARGED IN A MANNER THAT DOES NOT CAUSE NUISANCE CONDITIONS, EROSION IN RECEIVING CHANNELS OR DOWNSLOPE PROPERTIES, OR INUNDATION IN WETLANDS CAUSING SIGNIFICANT ADVERSE IMPACTS TO THE WETLANDS. ANY TURBID OR SEDIMENT LADEN DISCHARGE WATER MUST BE ADEQUATELY TREATED BY DISCHARGING TO A SEDIMENTATION BASIN WHENEVER FEASIBLE, OR TREATED WITH APPROPRIATE BMPS IF THE WATER CANNOT BE DISCHARGED TO A SEDIMENT BASIN. THE CONTRACTOR MUST VISUALLY CHECK THE TREATED STORMWATER PRIOR TO DISCHARGING TO RECEIVING WATERS TO ENSURE ADEQUATE TREATMENT IS BEING MET AND THAT THE DISCHARGE POINTS ARE ADEQUATELY PROTECTED FROM EROSION AND SCOUR. BACKWASH WATER FROM FILTRATION MUST BE INCORPORATED INTO THE SITE IN A NON-EROSIVE MANNER, OR DISCHARGED TO THE SANITARY SEWER WITH PERMISSION FROM THE SANITARY SEWER AUTHORITY. SEE SHEET 0.10 FOR ADDITIONAL REQUIREMENTS.

E. INSPECTIONS: THE CONTRACTOR MUST ROUTINELY INSPECT THE ENTIRE CONSTRUCTION SITE AT LEAST ONCE EVERY SEVEN (7) CALENDAR DAYS DURING CONSTRUCTION AND WITHIN 24 HOURS AFTER A RAINFALL EVENT GREATER THAN 0.5 INCHES OVER 24 HOURS. CONTRACTOR SHALL PROVIDE A RAIN GAGE OR ANOTHER METHOD TO MEASURE RAINFALL. INSPECTION OF AREAS WITH PERMANENT COVER MAY BE REDUCED TO ONCE PER MONTH. THE CONTRACTOR SHALL RECORD IN WRITING WITHIN 24 HR ALL INSPECTION AND MAINTENANCE ACTIVITY ON FORMS WITH INFORMATION REQUIRED BY PART IV.E.2 OF THE GENERAL STORMWATER PERMIT. THESE RECORDS SHALL BE RETAINED WITH THE SWPPP. RECORDS OF EACH INSPECTION AND MAINTENANCE ACTIVITY SHALL INCLUDE:

1) DATE AND TIME OF INSPECTIONS
2) NAME OF PERSON(S) CONDUCTING INSPECTIONS
3) FINDINGS OF INSPECTIONS, INCLUDING THE SPECIFIC LOCATION WHERE CORRECTIVE ACTIONS ARE NEEDED
4) CORRECTIVE ACTIONS TAKEN (INCLUDING DATES, TIMES, AND PARTY COMPLETING MAINTENANCE ACTIVITIES)
5) DATE AND AMOUNT OF ALL RAINFALL EVENTS GREATER THAN 1/2 INCH (0.5 INCHES) IN 24 HOURS. RAINFALL AMOUNTS MUST BE OBTAINED BY A PROPERLY MAINTAINED RAIN GAUGE INSTALLED ONSITE, A WEATHER STATION THAT IS WITHIN 1 MILE OF THE PROJECT SITE OR A WEATHER REPORTING SYSTEM THAT PROVIDES SITE SPECIFIC RAINFALL DATA FROM RADAR SUMMARIES.
6) IF ANY DISCHARGE IS OBSERVED TO BE OCCURRING DURING THE INSPECTION, A RECORD OF ALL POINTS OF THE PROPERTY FROM WHICH THERE IS A DISCHARGE MUST BE MADE, AND THE DISCHARGE SHOULD BE DESCRIBED (I.E., COLOR, ODOR, FLOATING, SETTLED, OR SUSPENDED SOLIDS, FOAM, OIL SHEEN, AND OTHER OBVIOUS INDICATORS OF POLLUTANTS) AND PHOTOGRAPHED.
7) ANY AMENDMENTS TO THE SWPPP PROPOSED AS A RESULT OF THE INSPECTION MUST BE DOCUMENTED AS REQUIRED IN PART III.B. WITHIN SEVEN (7) CALENDAR DAYS.

F. MAINTENANCE: ALL NONFUNCTIONAL BMPS MUST BE REPAIRED, REPLACED, OR SUPPLEMENTED WITH FUNCTIONAL BMPS WITHIN 24 HOURS AFTER DISCOVERY, OR AS SOON AS FIELD CONDITIONS ALLOW ACCESS. COMMON ROUTINE MAINTENANCE ACTIVITIES INCLUDE:

1) ALL SILT FENCE MUST BE REPAIRED, REPLACED, OR SUPPLEMENTED WHEN THEY BECOME NONFUNCTIONAL OR THE SEDIMENT REACHES 1/3 OF THE FENCE HEIGHT WITHIN 24 HOURS OF DISCOVERY OR AS SOON AS FIELD CONDITIONS ALLOW ACCESS.
2) DRAIN ALL TEMPORARY AND PERMANENT SEDIMENTATION BASINS AND REMOVE SEDIMENT WHEN THE DEPTH OF SEDIMENT COLLECTED IN THE BASIN REACHES ½THE STORAGE VOLUME WITHIN 72 HOURS OF DISCOVERY OR AS SOON AS FIELD CONDITIONS ALLOW ACCESS.
3) INSPECT AND REMOVE ALL DEPOSITED SEDIMENT FROM STORMWATER CONVEYANCE SYSTEMS (DITCHES, CURB AND GUTTERS, CATCH BASINS, ETC.) AND RESTABILIZE THE AREAS WHERE SEDIMENT REMOVAL RESULTS IN EXPOSED SOIL WITHIN 7 DAYS OF DISCOVERY OR AFTER OBTAINING PERMISSION FROM JURISDICTIONAL AUTHORITIES.
4) REMOVE ANY TRACKED SEDIMENT FROM ALL PAVED SURFACES WITHIN 24 HOURS AFTER DISCOVERY OR SOONER AS REQUIRED FOR PERMIT COMPLIANCE.
5) REMOVE ANY SEDIMENT THAT ESCAPES THE CONSTRUCTION SITE IN A MANNER AND AT A FREQUENCY SUFFICIENT TO MINIMIZE OFF-SITE IMPACTS AND SAFETY HAZARDS.
6) PROTECT INFILTRATION AREAS FROM COMPACTION DUE TO CONSTRUCTION EQUIPMENT PATHS AND PREVENT SEDIMENT FROM REACHING INFILTRATION AREAS.
7) OPERATE, MAINTAIN, AND INSPECT ANY TEMPORARY OR PERMANENT WATER QUALITY MANAGEMENT BMPS TO ENSURE ADEQUATE TREATMENT IS BEING MET.

G. POLLUTION PREVENTION MANAGEMENT MEASURES: COMPLY WITH PART IV.F OF THE PERMIT.

H. FINAL STABILIZATION: ESTABLISH FINAL STABILIZATION FOR THE SITE AS DESCRIBED IN PART IV.G OF THE PERMIT. SPECIFIC CONDITIONS REQUIRED FOR FINAL STABILIZATION INCLUDE:

1) SOIL DISTURBING ACTIVITIES AT THE SITE HAVE BEEN COMPLETED AND SOILS ARE STABILIZED BY A UNIFORM PERENNIAL VEGETATIVE COVER WITH A DENSITY OF 70% OVER THE ENTIRE PERVIOUS SURFACE AREA, OR OTHER EQUIVALENT MEANS NECESSARY TO PREVENT SOIL FAILURE UNDER EROSIVE CONDITIONS.
2) PERMANENT STORMWATER MANAGEMENT SYSTEMS ARE OPERATIONAL AND SEDIMENT IS REMOVED FROM TEMPORARY AND PERMANENT SEDIMENTATION BASINS AND CONVEYANCE SYSTEMS, AND DITCHES ARE STABILIZED WITH FINAL COVER.
3) ALL TEMPORARY SYNTHETIC AND STRUCTURAL EROSION PREVENTION AND SEDIMENT CONTROL BMPS ARE REMOVED. BMPS DESIGNED TO DECOMPOSE MAY BE LEFT IN PLACE.

4. SWPPP RESPONSIBILITIES (THE OWNER IS RESPONSIBLE FOR PREPARING AND AMENDING THE SWPPP).

A. ON BEHALF OF THE OWNER, THE FOLLOWING PERSON PREPARED THE SWPPP AND IS TRAINED IN SWPPP DESIGN:

NAME: DAVID POLSON / LHB, INC.
TRAINING DATE/INSTRUCTOR: CERTIFICATION 2/15 (EXPIRES 5-31-18)
TRAINING CONTENT/HOURS: DESIGN OF CONSTRUCTION SWPPP

B. ON BEHALF OF THE OWNER, THE CONTRACTOR WILL OVERSEE SWPPP IMPLEMENTATION, REVISE AND AMEND THE SWPPP, PERFORM INSPECTIONS, AND SUPERVISE THE INSTALLATION, MAINTENANCE AND REPAIR OF BMPS BEFORE AND DURING CONSTRUCTION. THE FOLLOWING CONTRACTOR REPRESENTATIVE IS TRAINED TO PERFORM THESE DUTIES AND WILL ASSUME THESE RESPONSIBILITIES:

NAME: _____
TRAINING DATE/INSTRUCTOR: _____
TRAINING CONTENT/HOURS: _____

C. THE OWNER IS RESPONSIBLE FOR THE LONG-TERM OPERATION AND MAINTENANCE OF THE PERMANENT STORMWATER MANAGEMENT SYSTEM. THE FOLLOWING PERSON IS DESIGNATED TO PERFORM THESE DUTIES:

NAME/TITLE:
_____

MAINTENANCE PLAN: N/A

D. CHAIN OF RESPONSIBILITY: THE GENERAL CONTRACTOR IS IN CHARGE OF ALL SWPPP IMPLEMENTATION ON THE CONSTRUCTION SITE AND IS ACCOUNTABLE FOR SUBCONTRACTORS AND OTHER CONTRACTORS WORKING ON SITE AND THEIR COMPLIANCE WITH GENERAL STORMWATER PERMIT AND SWPPP REQUIREMENTS. NOTIFY THE OWNER OF ANY AMENDMENT NEEDED TO THE SWPPP.

5. REGULATORY AGENCIES AND PERMITS

A. COMPLY WITH REQUIREMENTS OF ALL REGULATORY AGENCIES AND PERMITS HAVING JURISDICTION DURING CONSTRUCTION ACTIVITIES. THE FOLLOWING ADDITIONAL REGULATORS AND PERMITS ARE KNOWN TO HAVE SITE JURISDICTION:

1) ANOKA COUNTY
2) CITY OF RAMSEY

6. DESCRIPTION OF THE CONSTRUCTION ACTIVITY / SWPPP COMPONENTS

A. NARRATIVE:

1) PROJECT SUMMARY: THE PROJECT INVOLVES THE DEVELOPMENT OF 80 ACRES INTO 25 LOTS TO BE SOLD FOR BUILDING OF HOMES. SPECIFIC WORK INCLUDES:
   a. CLEARING PORTIONS OF THE LAND OF EXISTING VEGETATION.
   b. GRADING TO SUPPORT CONSTRUCTION OF ROADS, HOUSE PADS, AND STORMWATER INFILTRATION PONDS.
   c. CONSTRUCTION OF STORMWATER INFILTRATION PONDS AND ACCOMPANYING CULVERTS.
   d. CONSTRUCTION OF ROADS, AND GRADING FOR HOUSEPADS. .
2) TIMING FOR INSTALLATION OF EROSION & SEDIMENTATION BMPS AND PERMANENT STORMWATER MANAGEMENT SYSTEMS, IN GENERAL SEQUENTIAL ORDER FROM FIRST TO LAST:
   a. INLET PROTECTION FOR EXISTING INLETS / SILT FENCE / DELINATION AREAS NOT TO BE DISTURBED / ROCK CONSTRUCTION ENTRANCE / TEMPORARY SEDIMENTATION BASIN: PROVIDE PRIOR TO CONSTRUCTION; MAINTAIN DURING CONSTRUCTION.
   b. SILT FENCE AROUND STOCKPILES: DURING CONSTRUCTION.
   c. PORTABLE SEDIMENT CONTAINMENT SYSTEMS FOR TREATING WATER FROM DEWATERING OPERATIONS : PROVIDE DURING CONSTRUCTION.
   d. INLET PROTECTION FOR NEW INLETS: AS CONSTRUCTED.
   e. HARD SURFACING (E.G., BUILDING ROOFS, PAVEMENTS): AS CONSTRUCTED.
   f. VEGETATIVE COVER / EROSION CONTROL BLANKETS: AFTER FINAL TOPSOIL PLACEMENT AND FINISH GRADING.
   g. REMOVAL OF TEMPORARY BMPS: AFTER FINAL STABILIZATION IS ESTABLISHED.

LHB
PERFORMANCE DRIVEN DESIGN.
LHBcorp.com
21 W. Superior St., Ste. 500 | Duluth, MN 55802 | 218.727.8446

CLIENT:
NATIONAL GROWTH, LLC.
16521 ROYAL RD.
RAMSEY, MN 55303

RAMSEY, MN

THIS SQUARE APPEARS 1/2" x 1/2" ON FULL SIZE SHEETS.

NO DATE ISSUED FOR

NO DATE REVISION

I HEREBY CERTIFY that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.

SIGNATURE: _____

TYPED OR PRINTED NAME: _____

DATE: _____ REG. NO.: _____

COPYRIGHT 2015 BY LHB, INC. ALL RIGHTS RESERVED.

PROJECT NAME:
RUM RIVER PRAIRIE DEVELOLPMENT

DRAWING TITLE:
SWPPP NARRATIVE

FILE: ..iles\2017\170163 Eric Thompsen Armstrong Blvd\600 Drawings\C\170163 SWPP
DRAWN BY: BJH
CHECKED BY:
PROJ. NO: Iles\20
DRAWING NO:

SW1

SWPPP NARRATIVE (CONT.)

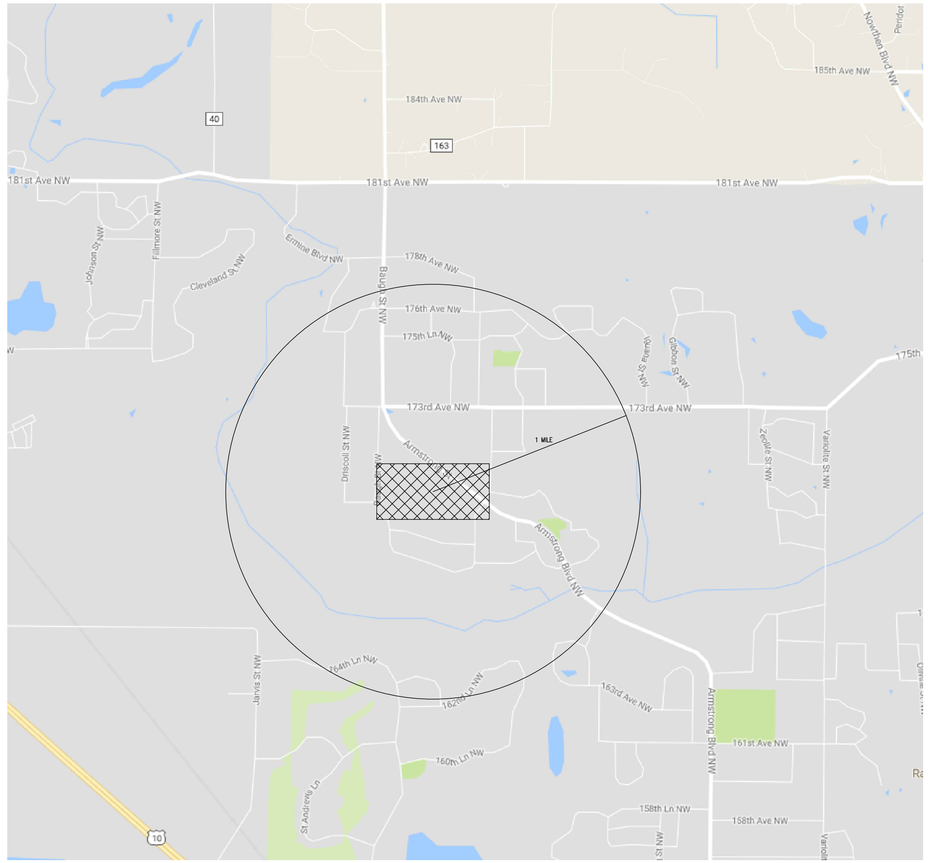
7. PROCEDURES FOR ESTABLISHING ADDITIONAL BMPS FOR SITE CONDITIONS DURING CONSTRUCTION
   A. IF ANY DOWN GRADIENT TREATMENT SYSTEM IS OVERLOADED, ADDITIONAL UP GRADIENT SEDIMENT CONTROL OR REDUNDANT BMPS MUST BE INSTALLED BY THE CONTRACTOR TO ELIMINATE THE OVERLOADING CONDITION.

8. METHODS OF FINAL STABILIZATION
   A. FINAL STABILIZATION WILL BE ACCOMPLISHED BY IMPERVIOUS SURFACING (CONCRETE PAVING, SIDEWALKS, CURB AND GUTTER, ASPHALT PARKING LOTS, ETC.) AND VEGETATIVE GROUND COVERS (SODDING AND SEEDING/MULCHING). SPECIFIC CONSTRUCTION METHODS ARE DESCRIBED IN THE PLANS AND SPECIFICATIONS.

9. PERMANENT STORMWATER MANAGEMENT SYSTEMS
   A. FOUR INFILTRATION POND SYSTEMS ARE TO BE CONSTRUCTED IN ORDER TO CONTROL STORMWATER RUNOFF.

10. STANDARDS SPECIFICATIONS FOR CONSTRUCTION:
    UNLESS OTHERWISE NOTED IN CONTRACT DOCUMENTS, ALL MATERIAL AND CONSTRUCTION REQUIREMENTS FOR TEMPORARY SEDIMENT CONTROL AND EROSION PREVENTION SHALL BE IN ACCORDANCE WITH THE MINNESOTA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION, CURRENT EDITION.

ESTIMATED QUANTITIES OF BMPS		
BMP	UNIT	QUANTITY
SILT FENCE	LF	686
INLET PROTECTION	EA	9
MNDOT CATEGORY 2 EROSION CONTROL BLANKET	SY	0



LHB PERFORMANCE DRIVEN DESIGN.
LHBcorp.com
21 W. Superior St., Ste. 500 | Duluth, MN 55802 | 218.727.8446

CLIENT:
NATIONAL GROWTH, LLC.
16521 ROYAL RD.
RAMSEY, MN 55303

RAMSEY, MN

THIS SQUARE APPEARS 1/2" x 1/2" ON FULL SIZE SHEETS.

NO	DATE	ISSUED FOR

NO	DATE	REVISION
1		

I HEREBY CERTIFY that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.

SIGNATURE: _____

TYPED OR PRINTED NAME: _____

DATE: _____ REG. NO.: _____

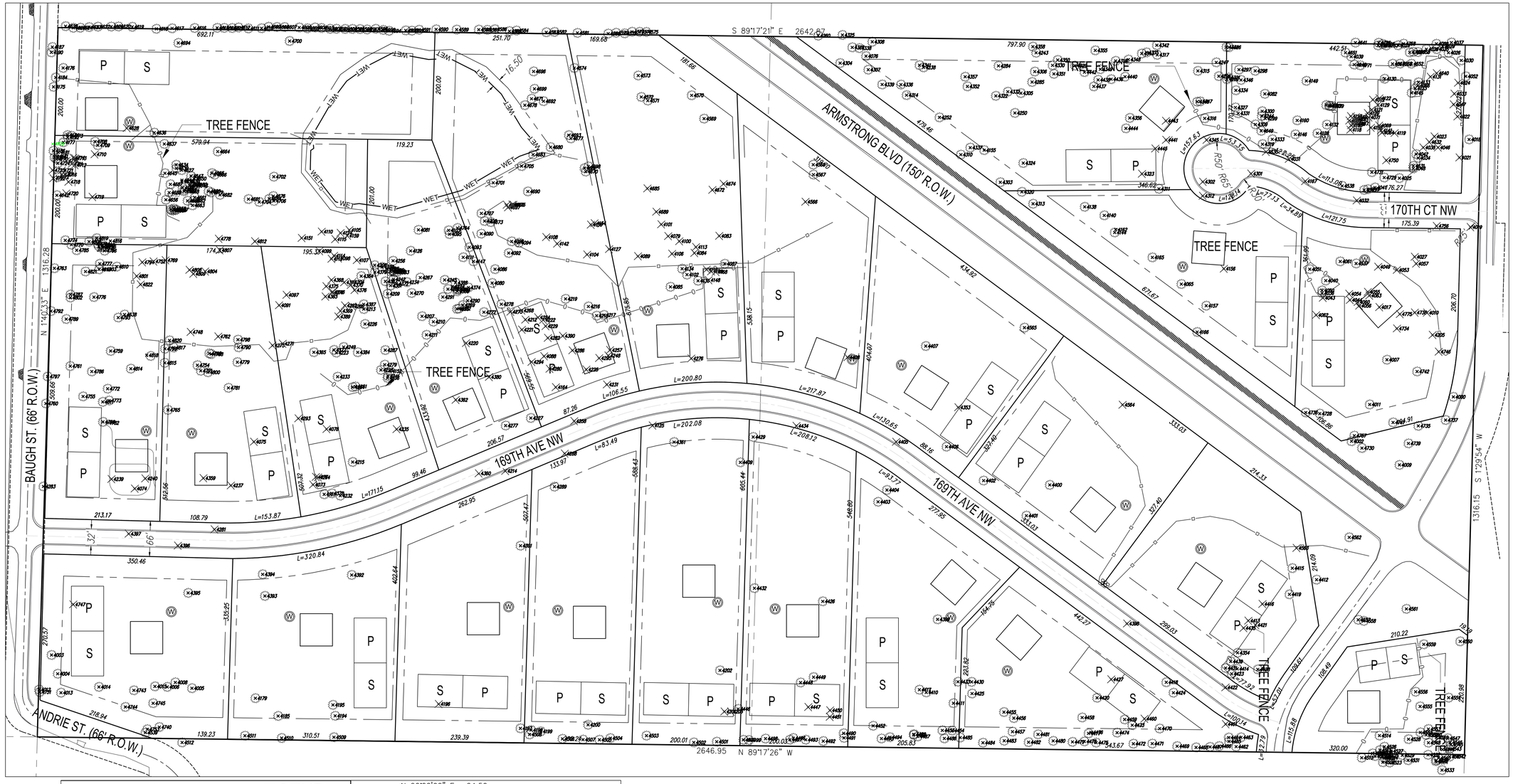
COPYRIGHT 2015 BY LHB, INC. ALL RIGHTS RESERVED.

PROJECT NAME:
RUM RIVER PRAIRIE
DEVELOLPMENT

DRAWING TITLE:
SWPPP NARRATIVE
AND EXHIBIT

FILE: ...iles\2017\170163 Eric Thompsen Armstrong Blvd\600 Drawings\C\170163 SWPP
DRAWN BY: DRP
CHECKED BY: DGS
PROJ. NO: les\20
DRAWING NO:

SW2



LINE TYPE & SYMBOL LEGEND

P | S	DRAIN FIELD LOC. P = PRIMARY S = SECONDARY
	FLARED END SECTION
	CULVERT
W	PROPOSED WELL LOC.
SB1	SOIL BORING LOC. W/ NUMBER
	EXISTING TREE (PRESERVE)
	EXISTING TREE (REMOVE)
	DRAINAGE FLOW ARROW

N 90°00'00" E 94.50	PLAT BOUNDARY
94.50	LOT LINE
	R/W
	SETBACK
WET WET	WETLAND EDGE
900	PROPOSED CONTOUR
900	EXISTING CONTOUR
	EASEMENT
	SILT FENCE
TREE FENCE	TREE FENCE
	EDGE OF BIT.
	CENTERLINE
	FUTURE BIT. TRAIL

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

NAME: _____ LIC. NO. --- DATE 00-00-2018

DESIGNED BJH
DRAWN BJH
CHECKED ..

LHB
PERFORMANCE DRIVEN DESIGN.
LHBcorp.com 21 W. Superior St., Ste. 500 | Duluth, MN 55802 | 218.727.8446

RUM RIVER PRAIRIE DEVELOPMENT

SITE TREE PLAN

SHEET T1

PLOT DATE: 12/29/2017 10:54:24 AM FILE: C:\Users\bjhunin\Desktop\170163 Eric Thompsen Armstrong Blvd\600 Drawings\Survey\170163 preliminary plot 12-21-17.dwg

SAVED TREES

Tag ID	Species	DBH	Notes
4000	Cottonwood	21	
4001	Red Cedar	8	
4002	Red Cedar	5	
4003	Red Cedar	6	
4004	Red Cedar	6	
4005	Scots pine	7	
4006	Red Cedar	6	
4007	Red Cedar	5	
4008	Red Cedar	6	
4009	Red Cedar	10	
4011	Red Cedar	6	
4012	Red Cedar	4	
4013	Red Cedar	6	
4014	Scots pine	8	
4015	Red Cedar	8	
4018	Red Cedar	5	
4020	Red Cedar	9	
4025	Red Cedar	6	
4026	Red Cedar	11	
4028	Red Cedar	5	
4029	Red Cedar	6	
4030	Red Cedar	8	
4034	Red Cedar	8	
4035	Red Cedar	8	
4036	Red Cedar	5	
4037	Red Cedar	10	
4039	Red Cedar	4	
4040	Red Cedar	6	
4041	Red Cedar	5	
4042	Red Cedar	6	
4045	Red Cedar	8	
4048	Red Cedar	6	
4050	Red Cedar	6	
4051	Red Cedar	4	
4052	Red Cedar	5	
4058	Red Cedar	5	
4059	Red Cedar	9	
4061	Red Cedar	5	
4065	Red Cedar	5	
4066	Red Cedar	7	
4076	Red Cedar	10	
4080	Siberian Elm	8	
4081	Siberian Elm	9	
4082	Red Cedar	7	
4085	Red Cedar	5	
4086	Red Cedar	4	
4087	Red Cedar	4	
4090	Red Cedar	8	
4092	Red Cedar	5	
4093	Red Cedar	6	
4094	Red Cedar	6	
4095	Red Cedar	6	
4096	Red Cedar	10	
4102	Red Cedar	5	
4103	Red Cedar	4	
4106	Red Cedar	6	
4111	Scots pine	5	
4123	Siberian Elm	8	
4126	Red Cedar	6	
4128	Red Cedar	9	
4130	Red Cedar	7	
4132	Red Cedar	9	
4133	Siberian Elm	9	
4134	Red Cedar	6	
4136	Red Cedar	6	
4137	Red Cedar	5	
4138	Red Cedar	9	
4139	Red Cedar	8	
4140	Red Cedar	4	
4144	Red Cedar	6	
4145	Red Cedar	6	
4146	Red Cedar	7	
4147	Red Cedar	8	
4149	Red Cedar	7	
4152	Scots pine	4	
4155	Red Cedar	7	
4157	Red Cedar	6	
4160	Red Cedar	8	
4161	Scots pine	13	
4162	Red Cedar	6	
4163	Red Cedar	5	
4165	Red Cedar	6	
4166	Red Cedar	4	
4170	Red oak	7	
4171	Red oak	10	
4172	Red oak	12	
4173	Red Cedar	5	
4174	Red Cedar	4	
4175	Boxelder	18	
4176	Boxelder	12	
4177	Burr oak	6	
4178	Burr oak	42	
4179	Red Cedar	6	
4180	Burr oak	4	
4181	Red oak	8	
4182	Burr oak	14	
4183	Red oak	24	
4184	Boxelder	15	
4185	Siberian Elm	8	
4186	Burr oak	5	
4187	Boxelder	10	
4188	Burr oak	4	dead
4189	Burr oak	11	
4190	Boxelder	11	
4191	Burr oak	8	
4192	Red Cedar	7	
4193	Burr oak	5	
4194	Scots pine	18	
4195	Red Cedar	7	
4197	Red Cedar	4	
4198	Scots pine	5	
4199	Siberian Elm	10	
4200	Red Cedar	5	
4202	Red Cedar	6	
4207	Red Cedar	7	
4208	Scots pine	4	
4209	Scots pine	5	
4210	Red Cedar	4	
4211	Red Cedar	7	
4213	Red Cedar	4	
4215	Red pine	9	
4216	Red Cedar	7	
4217	Scots pine	11	
4218	White Pine	15	
4219	Red Cedar	6	
4223	Red Cedar	4	
4226	Red Cedar	7	
4227	Red Cedar	12	
4228	Scots pine	12	
4230	Red Cedar	8	
4232	Scots pine	4	dying
4233	Red Cedar	4	
4234	Scots pine	4	
4236	Scots pine	4	
4238	Red Cedar	6	
4241	Scots pine	4	
4242	Scots pine	10	
4243	Red Cedar	6	
4244	Red Cedar	5	
4245	Red Cedar	7	
4247	Red Cedar	6	
4249	Red Cedar	4	
4250	Red Cedar	5	
4251	Red Cedar	4	
4252	Red Cedar	6	
4253	Scots pine	5	
4254	Red Cedar	4	
4255	Scots pine	5	
4256	Red Cedar	7	
4259	Scots pine	4	
4260	Red Cedar	5	
4261	Red pine	9	
4262	Red Cedar	5	
4263	Scots pine	6	
4265	Scots pine	5	
4266	Scots pine	4	
4267	Red Cedar	6	
4269	Scots pine	5	
4270	Red Cedar	6	
4272	Red pine	7	
4274	Scots pine	4	
4277	Red Cedar	8	
4278	Red Cedar	10	
4279	Scots pine	4	
4283	Red Cedar	5	
4284	Red Cedar	4	
4285	Red Cedar	5	
4287	Scots pine	5	
4289	Red Cedar	6	
4290	Red Cedar	6	
4291	Red Cedar	5	
4296	Siberian Elm	15	
4297	Siberian Elm	10	
4298	Siberian Elm	16	
4299	Siberian Elm	16	
4300	Siberian Elm	8	
4303	Siberian Elm	14	
4304	Red Cedar	7	
4305	Red Cedar	7	
4306	Red Cedar	5	
4307	Red Cedar	5	
4308	Red Cedar	6	
4309	Red Cedar	7	
4310	Red Cedar	6	
4311	Red Cedar	6	
4313	Red Cedar	7	
4314	Red Cedar	5	
4315	Red Cedar	6	
4316	Red Cedar	7	
4317	Red Cedar	5	
4318	Red Cedar	7	
4319	Red Cedar	7	
4320	Red Cedar	6	
4321	Siberian Elm	13	
4322	Red Cedar	8	
4324	Red Cedar	4	
4325	Red Cedar	5	
4326	Red Cedar	6	
4327	Siberian Elm	14	
4328	Red Cedar	9	
4329	Red Cedar	7	
4330	Red Cedar	7	
4331	Siberian Elm	8	
4332	Red Cedar	5	
4333	Red Cedar	5	
4334	Siberian Elm	12	
4335	Red Cedar	5	
4336	Red Cedar	6	
4337	Red Cedar	6	
4338	Red Cedar	6	
4339	Red Cedar	5	
4340	Red Cedar	5	
4341	Red Cedar	6	
4342	Red Cedar	8	
4343	Red Cedar	6	
4344	Red Cedar	7	
4346	Siberian Elm	10	
4347	Siberian Elm	10	
4348	Red Cedar	6	
4349	Red Cedar	7	
4350	Red Cedar	5	
4351	Red Cedar	7	
4352	Red Cedar	8	
4354	Red Cedar	7	
4355	Red Cedar	5	
4356	Red Cedar	7	
4357	Red Cedar	7	
4358	Red Cedar	6	
4361	Siberian Elm	9	
4364	Red Cedar	5	
4365	Scots pine	13	
4366	Scots pine	4	
4367	Red Cedar	7	
4371	Red Cedar	6	
4372	Scots pine	4	
4374	Red pine	11	
4377	Red Cedar	4	
4378	Scots pine	4	
4379	Red Cedar	7	
4381	Scots pine	5	
4382	Scots pine	4	
4383	Scots pine	5	
4384	Red Cedar	5	
4385	Scots pine	4	
4386	Scots pine	5	
4387	Scots pine	4	
4388	Scots pine	5	
4391	Red Cedar	5	
4392	Red Cedar	4	
4393	Scots pine	6	
4394	Red Cedar	4	
4395	Red Cedar	4	
4399	Red Cedar	6	
4400	Red Cedar	4	
4401	Boxelder	8	
4402	Siberian Elm	9	
4403	Red Cedar	5	
4404	Red Cedar	5	
4406	Siberian Elm	10	
4407	Siberian Elm	10	
4409	Siberian Elm	9	
4410	White Pine	10	
4411	White Pine	13	
4412	Red Cedar	6	
4414	Red Cedar	6	
4415	Red Cedar	5	
4417	Red Cedar	6	
4418	Red pine	4	diseased
4419	Red Cedar	8	
4420	Red Cedar	6	
4423	Red Cedar	6	
4424	Red Cedar	4	
4425	Scots pine	8	
4426	Red Cedar	7	
4428	Red Cedar	5	
4429	Red Cedar	5	
4430	Red Cedar	5	
4431	Red Cedar	6	
4432	Red Cedar	6	
4433	Red Cedar	9	
4436	Red Cedar	9	
4437	Red Cedar	4	
4438	Red Cedar	4	
4439	Red Cedar	5	
4440	Red Cedar	7	
4442	Red Cedar	4	
4444	Red Cedar	8	
4446	Red Cedar	6	
4448	Siberian Elm	8	
4449	Red Cedar	5	
4452	Red Cedar	4	
4453	Scots pine	6	dead
4454	Scots pine	5	top broken off
4455	Red Cedar	5	
4456	Red Cedar	6	
4457	White Pine	9	
4458	Red Cedar	5	
4459	White Pine	9	
4462	Burr oak	10	
4463	Red oak	4	
4464	Red oak	5	
4465	Red oak	5	
4466	Burr oak	5	dying
4467	Colorodo blue spruce	14	
4468	Burr oak	14	
4469	Colorodo blue spruce	16	cut branches
4470	Siberian Elm	8	
4471	coloroado bl	14	
4472	Colorodo blue spruce	15	cut branches
4473	Siberian Elm	10	
4474	White Pine	8	
4476	Scots pine	6	
4477	White Pine	4	
4478	Scots pine	4	
4479	Colorodo blue spruce	15	diseased
4480	Colorodo blue spruce	17	diseased
4481	Red pine	5	
4482	Colorodo green spruce	12	
4483	White Spruce	13	
4484	White Spruce	12	
4485	White Spruce	9	
4486	White Pine	5	
4487	White Pine	4	
4488	White Pine	4	
4489	Siberian Elm	8	
4490	Red Cedar	4	
4491	White Spruce	8	
4492	White Spruce	12	diseased
4493	White Spruce	9	
4494	White Pine	4	
4495	White Pine	6	
4496	White Pine	6	poor condition
4497	Colorodo blue spruce	13	diseased
4498	Colorodo green spruce	14	
4499	White Pine	8	
4500	White Pine	8	
4501	White Spruce	11	diseased
4502	White Spruce	12	diseased
4503	Siberian Elm	8	
4504	Siberian Elm	8	
4505	White Spruce	8	
4506	White Spruce	13	diseased
4507	White Spruce	10	dying
4508	Scots pine	10	
4509	Siberian Elm	8	
4510	White Spruce	8	diseased
4511	White Spruce	8	
4512	Colorodo blue spruce	12	
4513	Red oak	6	
4514	Red Cedar	5	
4515	Red oak	6	
4516	Red oak	4	
4517	Red oak	5	
4518	Red oak	6	
4519	Red oak	8	
4520	Red oak	6	
4521	Red oak	4	
4522	Red oak	5	
4523	Red oak	5	
4524	Red oak	5	
4525	Red oak	5	
4526	Red oak	4	
4527	Red oak	4	
4528	Red oak	8	
4529	Boxelder	15	
4530	Burr oak	30	dying
4531	Black cherry	14	dying
4532	Boxelder	8	
4533	Red oak	9	
4534	Red oak	22	rotting
4535	Red oak	16	rotting
4536	Red oak	12	dying
4537	Siberian Elm	22	dying
4538	Siberian Elm	8	
4539	Siberian Elm	10	
4540	Burr oak	23	dying
4541	Black cherry	8	
4542	Boxelder	14	
4543	Red oak	4	
4544	Burr oak	5	
4545	Boxelder	15	
4546	Boxelder	8	dead
4547	Boxelder	9	
4548	Red oak	5	
4549	Red oak	5	
4550	Red oak	7	
4551	Red oak	9	
4552	Red oak	14	diseased
4553	Siberian Elm	8	diseased
4554	Scots pine	7	
4555	Red Cedar	5	
4556	Siberian Elm	8	
4557	Siberian Elm	15	
4558	Siberian Elm	13	diseased
4559	Scots pine	11	
4560	Red oak	8	
4561	Siberian Elm	12	
4562	Siberian Elm	14	
4565	Siberian Elm	12	diseased
4567	Red Cedar	5	
4568	Red Cedar	4	
4569	Red Cedar	4	
4570	Red Cedar	4	
4571	Red Cedar	5	
4572	Red Cedar	4	
4573	Red Cedar	4	
4574	Red Cedar	5	
4575	Red Cedar	4	
4576	Colorodo blue spruce	8	diseased
4577	Colorodo blue spruce	5	diseased
4578	White Spruce	6	diseased
4579	Colorodo blue spruce	5	diseased
4580	Colorodo blue spruce	5	diseased
4581	Colorodo blue spruce	6	diseased
4582	White Spruce	5	diseased
4583	Colorodo blue spruce	4	
4584	Colorodo blue spruce	5	diseased
4585	Colorodo blue spruce	5	diseased
4586	Colorodo blue spruce	4	diseased
4587	Red pine	6	
4588	Colorodo blue spruce	4	diseased
4589	Colorodo blue spruce	4	diseased
4590	Colorodo blue spruce	5	diseased
4591	Colorodo blue spruce	4	diseased
4592	Colorodo blue spruce	5	diseased
4593	Colorodo blue spruce	4	diseased
4594	Colorodo blue spruce	6	diseased
4595	Colorodo blue spruce	5	diseased
4596	Colorodo blue spruce	4	diseased
4597	Colorodo blue spruce	6	diseased
4598	White Spruce	4	
4599	Colorodo blue spruce	6	diseased
4600	Colorodo blue spruce	5	diseased
4601	Colorodo blue spruce	4	diseased
4602	Colorodo blue spruce	5	diseased
4603	Colorodo blue spruce	5	
4604	Colorodo blue spruce	5	diseased
4605	Colorodo blue spruce	4	
4606	Colorodo blue spruce	4	
4607	White Spruce	4	
4608	Colorodo blue spruce	4	
4609	Colorodo blue spruce	5	
4610	Colorodo blue spruce	5	
4611	Colorodo blue spruce	6	
4612	White Spruce	5	
4613	Colorodo blue spruce	5	
4614	Colorodo blue spruce	5	
4615	Colorodo blue spruce	5	
4616	Colorodo blue spruce	4	
4617	Colorodo blue spruce	7	
4618	Colorodo blue spruce	6	
4619	White Spruce	6	
4620	Colorodo blue spruce	6	
4621	Colorodo blue spruce	4	
4622	Colorodo blue spruce	7	
4623	Colorodo blue spruce	5	
4624	Colorodo blue spruce	7	
4625	Colorodo blue spruce	6	
4626	Colorodo blue spruce	5	
4627	Burr oak	12	
4629	Siberian Elm	10	
4630	Burr oak	7	
4631	Siberian Elm	8	
4633	Hackberry	17	
4634	Red oak	4	
4636	Red Cedar	10	
4637	Red Cedar	10	
4638	Siberian Elm	20	
4639	Red oak	6	
4641	Red Cedar	7	
4642	Burr oak	4	
4643	Burr oak	9	
4644	Burr oak	9	
4645	Red Cedar	5	
4646	Red Cedar	10	
4647	Burr oak	14	
4648	Burr oak	16	
4649	Siberian Elm	15	
4650	Burr oak	27	
4651	Siberian Elm	16	
4652	Siberian Elm	8	
4653	Burr oak	6	dying
4654	Red oak	11	
4655	Red oak	8	
4656	Burr oak	8	
4657	re doa	9	
4658	Red oak	9	
4659	Red oak	8	
4660	Black cherry	8	
4661	Burr oak	16	
4662	Burr oak	23	
4663	Burr oak	12	
4664	Red Cedar	6	
4665	Red oak	4	
4666	Scots pine	16	
4667	Red Cedar	7	
4668	Red Cedar	4	
4670	Red Cedar	5	
4671	Red Cedar	4	
4673	Red Cedar	10	
4675	Red Cedar	5	
4676	Scots pine	4	
4677	Red Cedar	6	
4678	Red Cedar	5	
4679	Red Cedar	6	
4680	Red Cedar	6	
4681	Red Cedar	8	
4682	Red Cedar	5	
4683	Scots pine	16	
4684	Red Cedar	5	
4686	Red Cedar	7	
4687	Burr oak	18	
4688	Red Cedar	5	
4690	Red Cedar	4	
4691	Red Cedar	8	
4692	Red Cedar	6	
4693	Red Cedar	5	
4694	Red Cedar	4	
4696	Red Cedar	10	
4698	Red Cedar	6	
4699	Red Cedar	6	
4700	Red Cedar	4	
4701	Red Cedar	6	
4702	Red Cedar	12	
4703	Red Cedar	8	
4704	Scots pine	23	
4705	Red Cedar	4	
4706	Scots pine	4	
4707	Red Cedar	5	
4708	Red Cedar	5	
4709	Red Cedar	8	
4724	Red oak	11	
4725	Red Cedar	5	
4726	Siberian Elm	8	
4727	Red Cedar	4	
4728	Red Cedar	4	
4729	Siberian Elm	8	
4730	Siberian Elm	9	
4731	Siberian Elm	17	
4732	Red Cedar	7	
4733	Siberian Elm	10	
4735	Red Cedar	7	
4736	Red Cedar	5	
4737	Red Cedar	7	
4739	Red Cedar	10	
4740	Red Cedar	5	
4741	Red Cedar	6	
4742	Red Cedar	5	
4743	Red Cedar	5	
4744	Red Cedar	8	
4745	Red Cedar	4	
4749	Siberian Elm	9	
4751	Red Cedar	5	dying
4753	Red Cedar	5	
4754	Scots pine	5	
4755	Red Cedar	4	
4757	Red Cedar	4	
4758	Red Cedar	6	
4759	Red Cedar	8	
4760	Red Cedar	6	
4761	Red Cedar	8	
4763	Red Cedar	4	
4764	Red Cedar	7	
4765	Red Cedar	8	
4766	Red Cedar	5	
4767	Red Cedar	10	
4768	Red Cedar	4	
4770	Red Cedar	8	
4771	Red Cedar	10	
4772	Red Cedar	6	
4773	Red Cedar	4	
4774	Red Cedar	8	
4776	Red Cedar	6	
4777	Red Cedar	8	
4779	Red Cedar	8	
4780	Red Cedar	8	
4781	Red Cedar	6	
4782	Red Cedar	6	
4783	Red Cedar	5	
4784	Red Cedar	5	
4785	Red Cedar	10	
4786	Red Cedar	8	
4787	Red Cedar	5	
4788	Scots pine	5	
4789	Red Cedar	8	
4790	Scots pine	4	
4791	Scots pine	10	
4792	Red Cedar	4	
4793	Red Cedar	5	
4795	Red Cedar	5	
4796	Scots pine	8	
4797	Red Cedar	7	
4798	Red Cedar	6	
4799	Red Cedar	10	
4800	Red Cedar	5	
4802	Red Cedar	6	
4803	Red Cedar	8	
4805	Red Cedar	5	
4806	Red Cedar	8	
4810	Scots pine	5	
4811	Red Cedar	10	
4813	Red Cedar	10	
4814	Red Cedar	8	
4815	Red Cedar	4	
4816	Red Cedar	8	
4817	Red Cedar	8	
4818	Red Cedar	6	
4819	Red Cedar	8	
4820	Red Cedar	6	
4821	Red Cedar	8	
TOTAL	**CALIPER INCHES**	**4504**	

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

NAME: _____ LIC. NO. _____ DATE 00-00-2018

DESIGNED BJH
DRAWN BJH
CHECKED ..

LHB PERFORMANCE DRIVEN DESIGN.
LHBcorp.com 21 W. Superior St., Ste. 500 | Duluth, MN 55802 | 218.727.8446

RUM RIVER PRAIRIE DEVELOPMENT

SITE TREE PLAN

SHEET T2

PLOT DATE: 12/29/2017 10:55:05 AM FILE: C:\Users\bjhurin\Desktop\170163 Eric Thompsen Armstrong Blvd\600 Drawings\Survey\170163_preliminary plat 12-21-17.dwg

TREES REMOVED
HOME CONSTRUCTION

Tag ID	Species	DBH	Notes
4010	Red Cedar	5	
4017	Red Cedar	5	
4043	Red Cedar	5	
4044	Red Cedar	5	
4054	Red Cedar	6	
4055	Red Cedar	6	
4056	Red Cedar	7	
4060	Red Cedar	7	
4062	Red Cedar	5	
4063	Red Cedar	6	
4064	Red Cedar	5	
4067	Red Cedar	7	
4068	Red Cedar	7	
4069	Red Cedar	7	
4070	Red Cedar	5	
4071	Red Cedar	7	
4072	Red Cedar	6	
4073	Scots pine	20	
4074	Red Cedar	10	
4075	Scots pine	10	
4077	Scots pine	4	
4078	Red Cedar	10	
4088	White Pine	11	
4109	Red Cedar	6	
4116	Red Cedar	6	
4117	Siberian Elm	11	
4118	Siberian Elm	9	
4119	Siberian Elm	10	
4120	Siberian Elm	12	
4121	Siberian Elm	10	
4122	Siberian Elm	10	
4129	Red Cedar	7	
4135	Red Cedar	6	
4141	Red Cedar	5	
4143	Red Cedar	7	
4148	Red Cedar	6	
4153	Red Cedar	6	
4156	Red Cedar	6	
4158	Red Cedar	5	
4164	Red pine	7	
4168	Red Cedar	5	
4169	Red Cedar	7	
4196	Red Cedar	6	
4201	White Pine	12	
4203	Siberian Elm	8	
4212	Red Cedar	6	
4220	Red Cedar	4	
4221	Red Cedar	8	
4222	Red Cedar	7	
4224	Red Cedar	6	
4225	Red Cedar	6	
4229	Red Cedar	5	
4231	Red Cedar	7	
4235	Red Cedar	7	
4237	Red Cedar	8	
4239	Red pine	8	
4240	Scots pine	4	diseased
4248	Scots pine	9	
4257	White Pine	4	
4264	White Pine	4	
4268	Red Cedar	5	
4273	Red Cedar	4	
4276	Red Cedar	4	
4280	Red Cedar	6	
4282	Red Cedar	6	
4286	Red Cedar	8	
4293	Red Cedar	6	
4294	Red Cedar	8	
4295	White Pine	15	
4323	Red Cedar	6	
4353	Red Cedar	6	
4359	Scots pine	8	
4362	Black cherry	8	
4380	Red Cedar	4	
4390	Red Cedar	6	
4408	Scots pine	5	dead
4413	Red Cedar	9	
4416	Red Cedar	6	
4421	Red Cedar	8	
4427	Red Cedar	5	
4435	Red Cedar	4	
4441	Red Cedar	9	
4443	Red Cedar	12	
4445	Red Cedar	5	
4447	Red Cedar	6	
4450	Red Cedar	6	
4451	Red Cedar	6	
4460	Siberian Elm	10	dying
4628	Red Cedar	8	

Tag ID	Species	DBH	Notes
4710	Red Cedar	7	
4711	Scots pine	7	
4712	Red Cedar	4	
4713	Red Cedar	4	
4714	Red Cedar	4	
4715	Red Cedar	12	diseased
4716	Red Cedar	12	
4717	Red oak	6	
4718	Red Cedar	4	
4719	Red Cedar	7	
4720	Red Cedar	5	
4721	Red oak	7	
4722	Burr oak	7	
4723	Red Cedar	7	
4734	Red Cedar	5	
4738	Red Cedar	8	
4747	Red Cedar	6	
4750	Siberian Elm	10	
4775	Red Cedar	8	
TOTAL	**CALIPER INCHES**	**755**	

TREES REMOVED
PONDS

Tag ID	Species	DBH	Notes
4021	Red Cedar	6	
4022	Red Cedar	4	
4023	Red Cedar	7	
4024	Red Cedar	5	
4027	Red Cedar	4	
4033	Red Cedar	10	
4038	Red Cedar	6	
4046	Red Cedar	8	
4047	Red Cedar	6	
4049	Red Cedar	12	
4053	Red Cedar	6	
4057	Red Cedar	4	
4079	Red Cedar	6	
4083	Red Cedar	6	
4084	Red Cedar	7	
4089	Red Cedar	5	
4091	Red Cedar	7	
4097	Red Cedar	5	
4098	Red Cedar	6	
4099	Red Cedar	6	
4100	Red Cedar	6	
4101	Red Cedar	5	
4104	Red Cedar	5	
4105	Red Cedar	7	
4107	Red Cedar	7	
4108	Red Cedar	6	
4110	Red Cedar	6	
4112	Red Cedar	6	
4113	Red Cedar	4	
4114	Red Cedar	6	
4115	Red Cedar	6	
4124	Red Cedar	7	
4127	Red Cedar	6	
4131	Red Cedar	7	
4142	Red Cedar	5	
4150	Red Cedar	5	
4151	Red Cedar	7	
4154	Red Cedar	5	
4159	Red Cedar	6	
4204	Red Cedar	5	
4205	Siberian Elm	15	
4206	Red Cedar	6	
4246	Red Cedar	5	
4271	Scots pine	5	
4275	Red Cedar	7	
4292	Red Cedar	6	
4363	Scots pine	4	
4368	Red Cedar	4	
4369	Red Cedar	6	
4370	Red pine	13	
4373	Red Cedar	5	
4375	Red Cedar	5	
4376	Red Cedar	10	
4389	Scots pine	12	
4475	Colorodo blue spruce	18	diseased
4563	Red Cedar	4	
4564	Red Cedar	7	
4566	Red Cedar	6	
4632	Siberian Elm	13	
4640	Siberian Elm	10	
4669	Red Cedar	12	
4672	Red Cedar	7	
4674	Red Cedar	4	
4675	Red Cedar	5	
4685	Red Cedar	4	
4689	Red Cedar	14	
4695	Red Cedar	4	
4697	Red Cedar	10	
4746	Red Cedar	6	
4748	Scots pine	11	
4752	Red pine	12	
4762	Red Cedar	5	
4769	Red pine	7	
4778	Red Cedar	10	
4794	Scots pine	4	
4801	Red Cedar	10	
4804	Red Cedar	8	
4807	red cce	8	
4808	Red Cedar	4	
4809	Scots pine	4	
4812	Red Cedar	6	
4822	Red pine	8	
TOTAL	**CALIPER INCHES**	**567**	

TREES REMOVED
ROADS

Tag ID	Species	DBH	Notes
4016	Red Cedar	8	
4019	Red Cedar	5	
4031	Red Cedar	9	
4032	Red Cedar	5	
4125	Red Cedar	5	
4167	Red Cedar	5	
4214	Scots pine	5	dead
4258	Red Cedar	6	
4281	Red Cedar	5	
4288	Scots pine	12	
4301	Siberian Elm	8	
4302	Siberian Elm	8	
4312	Red Cedar	6	
4345	Siberian Elm	10	
4360	Siberian Elm	8	
4396	Red Cedar	5	
4397	Red Cedar	4	
4398	Red Cedar	5	
4405	Siberian Elm	8	
4422	Red Cedar	5	
4434	Red Cedar	4	
4461	Red oak	6	
4635	Siberian Elm	12	
4756	Red Cedar	6	
TOTAL	**CALIPER INCHES**	**160**	

PLOT DATE: 12/29/2017 10:55:26 AM FILE: C:\Users\bjhunin\Desktop\170163 Eric Thompsen Armstrong Blvd\600 Drawings\Survey\170163 preliminary plot 12-21-17.dwg

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

NAME: _____ LIC. NO. _____ DATE 00-00-2018

DESIGNED BJH
DRAWN BJH
CHECKED ..

PERFORMANCE DRIVEN DESIGN.
LHBcorp.com 21 W. Superior St., Ste. 500 | Duluth, MN 55802 | 218.727.8446

RUM RIVER PRAIRIE DEVELOPMENT

SITE TREE PLAN

SHEET T3

Park and Recreation Commission **5. 3.**

Meeting Date: 04/12/2018

By: Mark Riverblood, Engineering/Public Works

Information

Title:

Consider Park and Recreation Commission Outdoor Meeting Schedule

Purpose/Background:

For many years, the Park and Recreation Commission has held regular meetings outdoors in the months of May through September (weather permitting). This provided the Commission an opportunity to inspect and comment on parks and projects as a group, and it afforded residents' access to the Commission on a neighborhood level. On the occasions of inclement weather, the Commission would hold the regular meetings at 6:30 p.m. at City Hall. The purpose of this case is to confirm the Commission's desire for outdoor meetings in 2018 and, if so, approve the locations proposed below.

Additionally, note the proposed locations represent a geographic distribution around the city. It is likely these meeting are also opportunities to interact with the associated neighborhoods relative to the Parks System Plan, which will be concluding in 2018.

The following is the proposed schedule—if the Commission agrees to continue meeting in parks for the summer.

May: Emerald Pond Park, 6000 142nd Avenue NW

June: Elmcrest Park, 16303 Quicksilver Street NW – ½ mile south of 167th Avenue NW on Quicksilver Street

July: Central Park, 7925 161st Avenue NW – east of Armstrong Boulevard NW

August: The Draw, 7401 Ramsey Parkway

September: Pearson Park, (Riverstone Subdivision, address to be determined)

Upon approval of the locations above, their locations will be published on the web site.

Notification:

Observations/Alternatives:

Funding Source:

None required

Recommendation:

Determine whether outdoor meetings are desired for 2018—and if so the locations.

Action:

Motion to approve the outdoor meeting locations, based upon discussion.

Attachments

No file(s) attached.

Form Review

Inbox	Reviewed By	Date
Grant Riemer	Grant Riemer	04/05/2018 07:46 AM
Form Started By: Mark Riverblood		Started On: 04/04/2018 11:50 AM
Final Approval Date: 04/05/2018		