

**City of Ramsey**  
**Agenda**  
**Environmental Policy Board (EPB)**  
Monday, December 18, 2017  
**6:30 pm**  
**The Lake Itasca Room, 7550 Sunwood Drive NW**

1. **Call to Order**
2. **Citizen Input**
3. **Approve Agenda**
4. **Approve Minutes**
  1. Approve Meeting Minutes Dated November 13, 2017
5. **Policy Board Business**
  1. Consider Landscape Plan for Affinity at Ramsey (Project No. 17-142); Case of Inland Group
  2. Review Landscaping Plan for New Elementary School
  3. Review Draft Natural Resources Chapter of Comprehensive Plan
6. **Board/Staff Input**
  - Meeting dates for January and February (due to Martin Luther King Jr Day and Presidents Day, these meetings need to be rescheduled)
7. **Adjournment**

**Environmental Policy Board (EPB)**

**4. 1.**

**Meeting Date:** 12/18/2017

**By:** Chris Anderson, Community  
Development

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**Information**

**Title:**

Approve Meeting Minutes Dated November 13, 2017

**Action:**

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**Attachments**

Meeting Minutes Dated November 13, 2017

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**Form Review**

**Inbox**

Tim Gladhill

Form Started By: Chris Anderson

Final Approval Date: 12/15/2017

**Reviewed By**

JoAnn Shaw

**Date**

12/15/2017 10:04 AM

Started On: 12/15/2017 09:11 AM

**ENVIRONMENTAL POLICY BOARD  
CITY OF RAMSEY  
ANOKA COUNTY  
STATE OF MINNESOTA**

On Monday, November 13, 2017, the Environmental Policy Board (EPB) met in the Council Chambers at the Ramsey Municipal Center, 7550 Sunwood Drive N.W., Ramsey, Minnesota.

Members Present:     Chairperson Thomas Stodola  
                          Board Member Colleen Anderson  
                          Board Member Reid Bernard  
                          Board Member Jane Covart  
                          Board Member Michael Hiatt  
                          Board Member Lucas Trossen (arrived 6:55pm)  
                          Board Member Michael Valentine

Members Absent:     None

Also Present:         Councilmember LeTourneau  
                          City Planner Chris Anderson

**1.     CALL TO ORDER**

Chairperson Stodola called the meeting to order at 6:30 p.m.

**2.     CITIZEN INPUT**

None.

**3.     APPROVE AGENDA**

Motion by Board Member Hiatt and seconded by Board Member Valentine to approve the agenda as submitted.

Motion carried. Voting Yes: Chairperson Stodola, Board Member Anderson, Bernard, Covart, Hiatt, and Valentine. Voting No: None. Absent: Trossen.

**4.     APPROVE MINUTES**

**4.01: Approve Meeting Minutes Dated October 16, 2017**

Motion by Chairperson Stodola and seconded by Board Member Covart to approve the regular meeting minutes dated October 16, 2017.

Motion carried. Voting Yes: Chairperson Stodola, Board Member Anderson, Bernard, Covart, Hiatt, and Valentine. Voting No: None. Absent: Trossen.

**5.     POLICY BOARD BUSINESS**

### **5.01: Receive Presentation from Resilient Communities Project Student Group**

City Planner Anderson presented the staff report.

The RCP student group presented their work to the Board.

The student group noted several items other communities are doing that may be of interest. For example, the city of Edina requires a sustainability survey be completed and submitted with initial land use application that indicates what the project accomplishes from a sustainable/resilience perspective. They also noted that it would likely get a greater cross section of the community population to use events like the summer concert series and to ask folks a very short, simple question, such as what does natural resources mean to you?

The student group noted other recommendations as well, such as developing a key terms page for the website with some illustrations too would be helpful and developing an FAQ for developers to be accessible via the website.

There was a question and answer period as well as some general discussion between the Board and the student group.

The Board noted that the demographic information was quite interesting.

The Board thanked the students for their work and presentation.

City Planner Anderson recommended that the Board consider Case 5.03 next as there was someone in attendance for that case.

### **5.03: Confirm Recommendation for Lake Itasca Benefit to Related North Fork Meadows Subdivision; Case of Paxmar, LLC (Project No. 17-126)**

City Planner Anderson presented the staff report. He reported that the City Council tabled action on this case; requesting a better delineation of the Lake Itasca Greenway boundary as well as a park dedication/trail development fee and open space pro-forma comparison. He stated that staff is currently working on this request with the developer. He noted that there are no changes to the proposal from the previous EPB review.

Alan Reissler with Paxmar, LLC, introduced himself and offered to address any questions the Board may have.

The Board requested further information from staff about the potential gap in the greenway corridor on land that was not under the same ownership.

City Planner Anderson stated that the intention would be to complete a contiguous greenway corridor but that that property owner had not yet been approached about a potential trail easement to accommodate the project.

Motion by Board Member Valentine and seconded by Board Member Anderson to recommend to the City Council that the additional information supports a sufficient public benefit for the North Fork Meadows Planned Unit Development.

Motion carried. Voting Yes: Chairperson Stodola, Board Member Anderson, Bernard, Covart, Hiatt, Trossen, and Valentine. Voting No: None. Absent: None.

**5.02: Consider Amendment to Landscape Plan for Vistas at North Commons**

City Planner Anderson presented the staff report. He noted that the subdivision received all the necessary approvals earlier this year and is now under construction. He noted that subsequent to plan development and the entitlement process, ownership of the project was transferred to Morning Sun Homes. He stated that the builder is nearing completion of the first home and was attempting to complete landscaping on site when they approach the City to inquire about the possibility of eliminating the use of a seed mix and instead finishing the entire site with sod.

Motion by Board Member Hiatt and seconded by Chairperson Stodola to recommend approval of the requested amendment to the Landscape Plan to allow the use of sod rather than seed mix.

Motion carried. Voting Yes: Chairperson Stodola, Board Member Anderson, Bernard, Covart, Hiatt, Trossen, and Valentine. Voting No: None. Absent: None.

**6. BOARD / STAFF INPUT**

- **Consider Updates to City’s Environmental Webpage(s)**

City Planner Anderson requested that the Board review the City’s website, especially those pages focused on recycling and natural resources and provide any feedback for improvements in advance of the city rolling out a new website this coming spring.

**7. ADJOURNMENT**

Motion by Board Member Valentine and seconded by Board Member Covart to adjourn the meeting.

The meeting adjourned at 7:50 p.m.

Respectfully submitted,

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Chris Anderson  
City Planner

ATTEST:

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JoAnn Shaw  
Community Development Secretary

**Meeting Date:** 12/18/2017

**By:** Chris Anderson, Community  
Development

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**Information**

**Title:**

Consider Landscape Plan for Affinity at Ramsey (Project No. 17-142); Case of Inland Group

**Purpose/Background:**

The City has a purchase agreement in place to sell about four (4) acres of land adjacent to Municipal Plaza for a proposed residential apartment building (intended for 55+). The City has received an application for Sketch Plan review of a new, 175-unit apartment building at the southwest corner of Ramsey Parkway and Center Street (the "Subject Property"). The project would serve the 55+ demographic. While this is a Sketch Plan, we have received a detailed Landscape Plan associated with this project.

**Observations/Alternatives:**

The Subject Property is devoid of any significant tree cover and is not identified as having any natural areas per the Natural Resources Inventory (NRI). The National Wetlands Inventory also does not identify any wetlands on the Subject Property either. Due to the lack of significant tree cover, there is no need for a Tree Preservation Plan.

As noted previously, the Subject Property is within The COR and thus, is subject to the Design Framework. Note that the Design Framework places a heavy emphasis on the public realm (e.g. streetscape) in terms of landscaping with much less focus on landscaping within individual properties. The COR Design Framework includes a street hierarchy that sets the stage for required streetscape elements.

The Subject Property will abut two public streets, Ramsey Parkway to the north and an unnamed (as of now) street to the west. Ramsey Parkway is classified as a Parkway Street, which requires a six (6) foot wide sidewalk and six (6) foot wide boulevard finished with sod and street trees. The north/south road is classified as a Downtown Street, and requires a ten (10) foot wide sidewalk with no planting requirements.

The Landscape Plan includes trees within the boulevard along Ramsey Parkway at an acceptable spacing and size. There are also boulevard trees shown along the north/south street as well. However, the sidewalk needs to be widened, which likely will eliminate any plantings there (which is permitted per the Design Framework).

The Applicant has provided a very robust landscaping plan internal to the site. The plan includes a good mix of deciduous and coniferous trees and shrubs. There are several species that must be eliminated (Amur Maple and Japanese Barberry, both are considered prohibited). Additionally, Heritage Oak is only hardy to zone 5 (the metro area is considered near the boundary between zones 3 and 4) and should be replaced. Finally, the Mountain Frost Pear is an uncommon species and may be difficult to obtain commercially and Staff has suggested that an alternative species be considered.

**Funding Source:**

All costs associated with this request are the responsibility of the Applicant.

**Action:**

Motion to recommend approval of the Landscape Plan contingent upon compliance with the Staff Review Letter.

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## Attachments

Site Location Map

Site Plan and Landscape Plan

Staff Review Letter

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## Form Review

**Inbox**

Tim Gladhill

Form Started By: Chris Anderson

Final Approval Date: 12/14/2017

**Reviewed By**

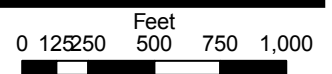
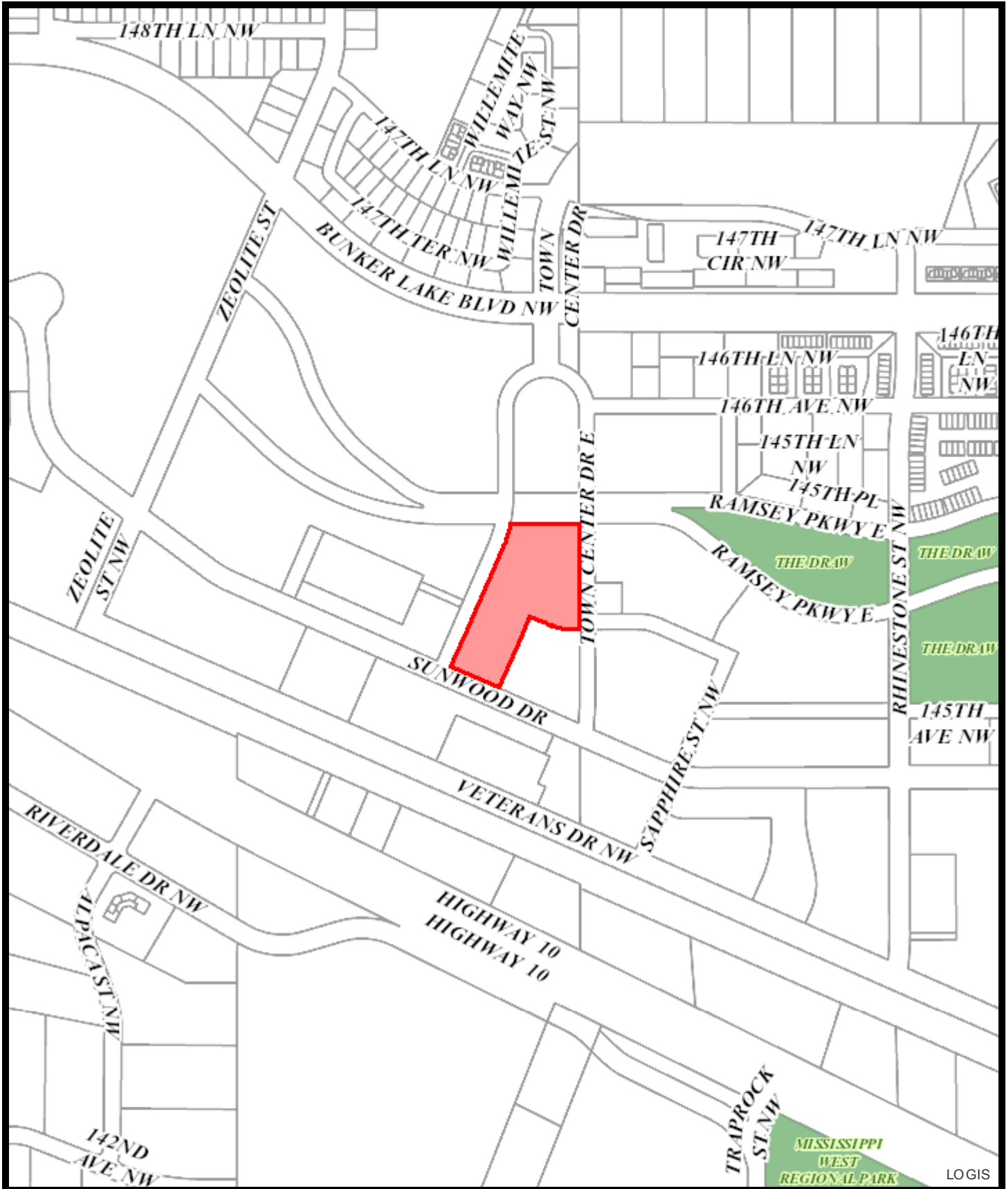
Tim Gladhill

**Date**

12/14/2017 02:12 PM

Started On: 12/13/2017 11:49 AM

# Site Location Map





**1 - Sidewalk Width**

Created by: Chris Anderson  
On: 12/13/2017 10:30 AM

Sidewalk width along north/side street must be ten (10) feet in width, please revise.

----- 0 Replies -----

**2 - Sidewalk Width**

Created by: Chris Anderson  
On: 12/13/2017 10:31 AM

Sidewalk width along Ramsey Parkway shall be six (6) feet. Please revise.

----- 0 Replies -----

**3 - Boulevard Width**

Created by: Chris Anderson  
On: 12/13/2017 10:33 AM

Boulevard width must be six (6) feet, please revise and provide a measurement label.

----- 0 Replies -----

**PLANT SCHEDULE - ENTIRE SITE**

SYM	QUANT.	COMMON NAME	BOTANICAL NAME	SIZE	ROOT	COMMENTS
<b>DECIDUOUS TREES</b>						
NWM	39	NEW WORLD RED MAPLE	<i>Acer rubrum</i> 'Northwood'	2.5" CAL.	B&B	STRAIGHT LEADER, FULL FORM
SH	8	SKYLINE HONEYLOCUST	<i>Gleditsia triacanthos</i> 'Skycole'	2.5" CAL.	B&B	STRAIGHT LEADER, FULL FORM
HEO	25	HERITAGE ENGLISH OAK	<i>Quercus</i> 'Heritage'	2.5" CAL.	B&B	STRAIGHT LEADER, FULL FORM
<b>ORNAMENTAL TREES</b>						
MFP	15	MOUNTAIN FROST PEAR	<i>Pyrus ussuriensis</i> 'Mountain Frost'	2" CAL.	B&B	STRAIGHT LEADER, FULL FORM
SFC	8	STARLITE FLOWERING CRAB	<i>Malus</i> 'Jettifite'	2" CAL.	B&B	STRAIGHT LEADER, FULL FORM
AM	14	AMUR MAPLE	<i>Acer ginnala</i>	2" CAL.	B&B	STRAIGHT LEADER, FULL FORM
<b>EVERGREEN TREES</b>						
BHS	31	BLACK HILLS SPRUCE	<i>Picea glauca</i> 'Densata'	6' HT.	B&B	STRAIGHT LEADER, FULL FORM
CBS	27	COLORADO SPRUCE	<i>Picea pungens</i>	6' HT.	B&B	STRAIGHT LEADER, FULL FORM
<b>SHRUBS - CONIFEROUS &amp; EVERGREEN</b>						
EA	24	EMERALD ARBORVITAE	<i>Thuja occidentalis</i> 'Smaragd'	24" HT.	CONT.	
MJ	23	MEDORA JUNIPER	<i>Juniperus scopulorum</i>	24" HT.	CONT.	
<b>SHRUBS - DECIDUOUS</b>						
NCB	99	NORTHERN CHARM BOXWOOD	<i>Buxus</i> 'Wilson'	24" HT.	CONT.	
AH	18	ANNABELLE HYDRANGEA	<i>Hydrangea arborescens</i> 'Anabelle'	24" HT.	CONT.	
WRW	11	WINE AND ROSES WEIGELA	<i>Weigela florida</i> 'Wine and Roses'	24" HT.	CONT.	
GB	34	GOLDEN BARBERRY	<i>Berberis thunbergii</i> 'Aurea'	24" HT.	CONT.	
RGB	16	ROSE GLOW BARBERRY	<i>Berberis thunbergii</i> 'Rose Glow'	24" HT.	CONT.	
<b>PERENNIALS &amp; GRASSES</b>						
AJS	356	AUTUMN JOY SEDUM	<i>Calamagrostis x acutiflora</i> 'Karl Foerster'	#1	CONT.	
LH	63	LOYALIST HOSTA	<i>Hosta</i> 'Loyalist'	#1	CONT.	
KFG	72	KARL FOERSTER FEATHER REED GRASS	<i>Calamagrostis x acutiflora</i> 'Karl Foerster'	#1	CONT.	

**14**  
TOTAL DECIDUOUS TREES: 72

**9**  
TOTAL ORNAMENTAL TREES: 37

**8**  
TOTAL EVERGREEN TREES: 58

**10**  
TOTAL SHRUBS: 225

**LANDSCAPE NOTES:**

- WHERE SHOWN, SHRUB BEDS SHALL BE MULCHED WITH 4" DEPTH (MINIMUM AFTER INSTALLATION AND/OR TOP DRESSING OPERATIONS) OF SHREDDED CYPRESS MULCH.
- ALL TREES SHALL BE MULCHED WITH SHREDDED CYPRESS MULCH TO OUTER EDGE OF SAUCER OR TO EDGE OF PLANTING BED, IF APPLICABLE. ALL MULCH SHALL BE KEPT WITHIN A MINIMUM OF 2" FROM TREE TRUNK.
- IF SHOWN ON PLAN, RANDOM SIZED LIMESTONE BOULDERS COLOR AND SIZE TO COMPLIMENT NEW LANDSCAPING. OWNER TO APPROVE BOULDER SAMPLES PRIOR TO INSTALLATION.
- PLANT MATERIALS SHALL CONFORM WITH THE AMERICAN ASSOCIATION OF NURSERYMEN STANDARDS AND SHALL BE OF HARDY STOCK, FREE FROM DISEASE, DAMAGE AND DISFIGURATION. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING PLUMPNESS OF PLANT MATERIAL FOR DURATION OF ACCEPTANCE PERIOD.
- UPON DISCOVERY OF A DISCREPANCY BETWEEN THE QUANTITY OF PLANTS SHOWN ON THE SCHEDULE AND THE QUANTITY SHOWN ON THE PLAN, THE PLAN SHALL GOVERN.
- CONDITION OF VEGETATION SHALL BE MONITORED BY THE LANDSCAPE ARCHITECT THROUGHOUT THE DURATION OF THE CONTRACT. LANDSCAPE MATERIALS PART OF THE CONTRACT SHALL BE WARRANTED FOR ONE (1) FULL GROWING SEASONS FROM SUBSTANTIAL COMPLETION DATE.
- ALL AREAS DISTURBED BY CONSTRUCTION ACTIVITIES SHALL RECEIVE 4" LAYER TOPSOIL LOAM AND SOD AS SPECIFIED UNLESS OTHERWISE NOTED ON THE DRAWINGS.
- COORDINATE LOCATION OF VEGETATION WITH UNDERGROUND AND OVERHEAD UTILITIES, LIGHTING FIXTURES, DOORS AND WINDOWS. CONTRACTOR SHALL STAKE IN THE FIELD FINAL LOCATION OF TREES AND SHRUBS FOR REVIEW AND APPROVAL BY THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
- ALL PLANT MATERIALS SHALL BE WATERED AND MAINTAINED UNTIL ACCEPTANCE.
- REPAIR AT NO COST TO OWNER ALL DAMAGE RESULTING FROM LANDSCAPE CONTRACTOR'S ACTIVITIES.
- SWEEP AND MAINTAIN ALL PAVED SURFACES FREE OF DEBRIS GENERATED FROM LANDSCAPE CONTRACTOR'S ACTIVITIES.
- REPAIR AT NO COST TO THE OWNER IRRIGATION SYSTEM DAMAGED FROM LANDSCAPE CONSTRUCTION ACTIVITIES.
- PROVIDE SITE WIDE IRRIGATION SYSTEM DESIGN AND INSTALLATION. SYSTEM SHALL BE FULLY PROGRAMMABLE AND CAPABLE OF ALTERNATE DATE WATERING. THE SYSTEM SHALL PROVIDE HEAD TO HEAD OR DRIP COVERAGE AND BE CAPABLE OF DELIVERING ONE INCH OF PRECIPITATION PER WEEK. SYSTEM SHALL EXTEND INTO THE PUBLIC RIGHT-OF-WAY TO THE EDGE OF PAVEMENT/BACK OF CURB.
- CONTRACTOR SHALL SECURE APPROVAL OF PROPOSED IRRIGATION SYSTEM INCLUDING PRICING FROM OWNER, PRIOR TO INSTALLATION.

**11**

**LANDSCAPE CALCULATIONS**

**PROPOSED LANDSCAPE:**  
 1 TREE/1,000 SF OF "BUILDING FOOTPRINT"  
 64,432.0 SF / 1000 = 65 DECIDUOUS/EVERGREEN TREES REQUIRED  
 SEE PLANT SCHEDULE

1 TREE/35' OF PUBLIC ROAD FRONTAGE  
 832 SF / 35 = 24 TREES REQUIRED  
 SEE PLANT SCHEDULE

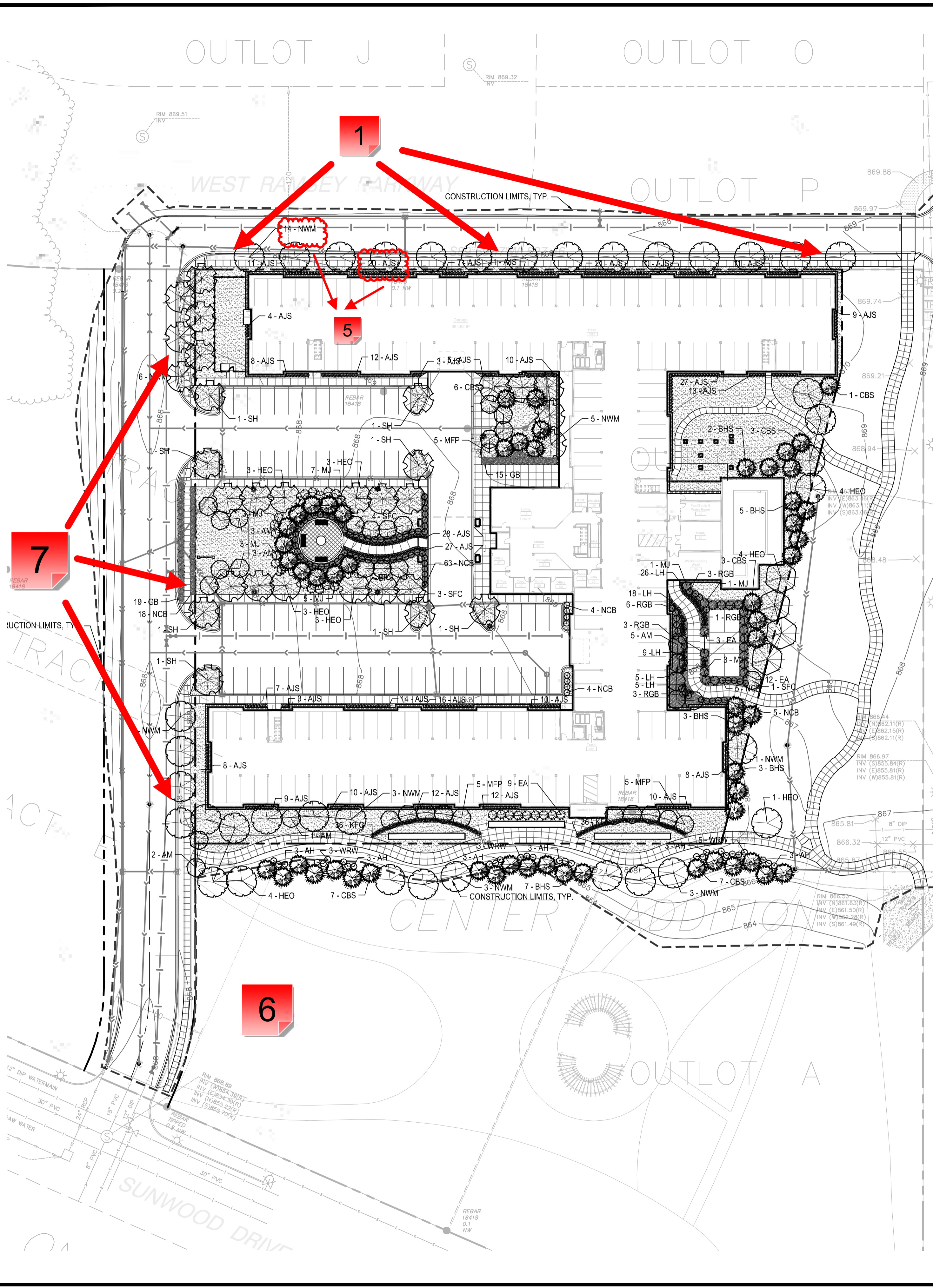
1 SHRUB/1000 SF OF "BUILDING FOOTPRINT"  
 64,432.0 SF / 300 = 215 SHRUBS REQUIRED  
 SEE PLANT SCHEDULE

**12**

**LEGEND**

- SEED TYPE 1 - MNDOT 34-262 WET PRAIRIE, PER MNDOT SEEDING MANUAL SPECIFICATIONS (2014)
- SEED TYPE 2 - MNDOT 35-221 DRY PRAIRIE GENERAL, PER MNDOT SEEDING MANUAL SPECIFICATIONS (2014)
- 1" DIA. DECORATIVE ROCK MAINTENANCE STRIP OVER FILTER FABRIC, SAMPLES REQUIRED. PROVIDE EDGING AS SHOWN ON PLAN
- 1" DIA. DECORATIVE ROCK MULCH, SAMPLES REQUIRED
- PROVIDE EDGING AS SHOWN ON PLAN
- SHREDDED CYPRESS MULCH, SAMPLES REQUIRED
- PROVIDE EDGING AS SHOWN ON PLAN
- SOD
- PROPOSED CANOPY & EVERGREEN TREE SYMBOLS - SEE SCHEDULE AND PLAN FOR SPECIES AND PLANTING SIZES
- PROPOSED DECIDUOUS AND EVERGREEN SHRUB SYMBOLS - SEE SCHEDULE AND PLAN FOR SPECIES AND PLANTING SIZES
- PROPOSED PERENNIAL PLANT SYMBOLS - SEE SCHEDULE AND PLAN FOR SPECIES AND PLANTING SIZES
- DECORATIVE BOULDERS, 18"-30" DIA.

**13**



**7**

**2**

**3**

**6**

**4**

**AFFINITY AT RAMSEY**

RAMSEY, MN 55303

**INLAND GROUP**

120 W. CATALDO AVE. SUITE 100, SPOKANE, WA 99201

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 LANDSCAPE ARCHITECT UNDER THE LAWS OF THE STATE OF MINNESOTA.

Patrick J. Sarver  
DATE 12/06/17 LICENSE NO. 24904

**ISSUE/SUBMITTAL SUMMARY**

DATE	DESCRIPTION
12/06/17	SITE PLAN SUBMITTAL

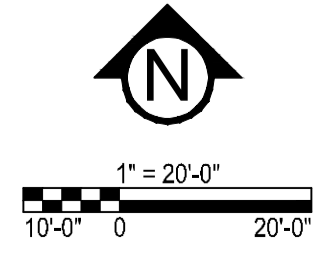
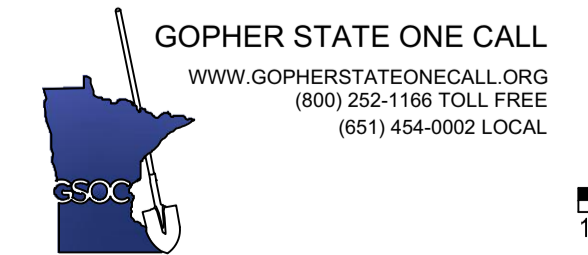
**REVISION SUMMARY**

DATE	DESCRIPTION
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PROJECT NO. 17226

**LANDSCAPE PLAN**

**L1.0**



## 1 - Boulevard Requirements

Created by: Chris Anderson  
On: 12/13/2017 08:58 AM

4 inches of topsoil, meeting the City's specification, and sod required in boulevard.

Boulevard width shall be six (6) feet as outlined in the COR1 Development Standards found here:

----- 0 Replies -----

## 2 - Warranty Period

Created by: Chris Anderson  
On: 12/13/2017 09:01 AM

The City requires a Landscape Maintenance Surety (addressed in the Development Agreement) to ensure survival of all plantings for a two (2) year period following acceptance of plantings per approved plan by City.

----- 0 Replies -----

## 3 - Irrigation

Created by: Chris Anderson  
On: 12/13/2017 09:02 AM

Irrigation system must include a rain sensor AND at least one water efficient technology such as: soil moisture sensor(s), smart controller, ET sensor, etc.

----- 0 Replies -----

## 4 - Scale

Created by: Chris Anderson  
On: 12/13/2017 09:16 AM

It appears that the scale should be 1" = 40'-0". Please correct.

----- 0 Replies -----

## 5 - Text Overlapped

Created by: Chris Anderson  
On: 12/13/2017 09:28 AM

Labeling of species is obscured. Readjust text so that each species is clearly identifiable or add the species symbol to the planting schedule.

----- 0 Replies -----

## 6 - Sidewalk Width

Created by: Chris Anderson  
On: 12/13/2017 09:47 AM

Sidewalk width must be six (6) feet along Ramsey Parkway and ten (10) feet along the north/south street. Ramsey Parkway is classified as a Parkway Street and the north/south street is classified as a Downtown Street. Please refer to the COR1 Development Standards here:

----- 0 Replies -----

## 7 - Sidewalk Width

Created by: Chris Anderson  
On: 12/13/2017 09:57 AM

This street is classified as a Downtown Street per the Design Framework and requires a ten (10) foot wide sidewalk. See completed portion of Center Street for example. Descriptions of street types, the street hierarchy map, and a photo illustration of a 'Downtown' street sidewalk can be found here:

----- 0 Replies -----

## 8 - Heritage Oak

Created by: Chris Anderson  
On: 12/13/2017 10:03 AM

This species is only hardy to zone 5. Replace with a more location appropriate species. If oak is preferred, would suggest Bicolor Oak (*Quercus bicolor*).

----- 0 Replies -----

## 9 - Ornamental Trees

Created by: Chris Anderson  
On: 12/13/2017 10:08 AM

Amur Maple is a prohibited species and cannot be included on the planting schedule. We are not familiar with Mountain Frost Pear. While it appears to be hardy to zone 3, this may be difficult to obtain commercially and an alternative species should maybe be considered.

----- 0 Replies -----

## 10 - Japanese Barberry

Created by: Chris Anderson  
On: 12/13/2017 10:12 AM

Both of these shrub species are prohibited species and must be replaced with alternates.

----- 0 Replies -----

## 11 - Topsoil

Created by: Chris Anderson

On: 12/13/2017 10:23 AM

Add note that specifies that all disturbed areas not otherwise improved with impervious surfaces (building, parking lot, sidewalk, etc.) shall receive four (4) inches of topsoil, meeting the City's specification, before landscaping is installed.

Load tickets are required as is a topsoil inspection before landscaping is installed.

----- 0 Replies -----

## 12 - Pre-Planting Meeting Required

Created by: Chris Anderson

On: 12/13/2017 11:32 AM

Contractor shall coordinate a Pre-Planting meeting with City Staff before installing any trees in the public right of way. Contractor shall provide at least 48 hours notice to schedule this meeting.

----- 0 Replies -----

## 13 - Sidewalk Finish

Created by: Chris Anderson

On: 12/13/2017 11:41 AM

Sidewalk panels shall have alternating brush strokes per City specification.

----- 0 Replies -----

## 14 - Plant Schedule

Created by: Chris Anderson

On: 12/13/2017 01:04 PM

Once the City approved the Landscape Plan, there shall be no changes to the species in the Plant Schedule without first receiving approval from the City.

----- 0 Replies -----



### 1 - Pruning

Created by: Chris Anderson  
On: 12/13/2017 08:48 AM

Only prune out dead/broken/misshapen branches.

----- 0 Replies -----

### 2 - Irrigation Notes

Created by: Chris Anderson  
On: 12/13/2017 08:51 AM

Irrigation system must include a rain sensor AND at least one water efficient technology such as: soil moisture sensor(s), smart controller, ET sensor, etc.

----- 0 Replies -----

### 3 - Irrigation

Created by: Chris Anderson  
On: 12/13/2017 08:52 AM

Boulevard should also be irrigated to ensure establishment of sod and boulevard trees.

----- 0 Replies -----

### 4 - Boulevard Tree Branch Height

Created by: Chris Anderson  
On: 12/13/2017 12:56 PM

Any trees planted within the boulevard area shall not have any branches beginning lower than six (6) feet from grade.

----- 0 Replies -----

**CITY OF RAMSEY LAND USE APPLICATION**  
**TECHNICAL REVIEW FILE**

<b>DATE</b>	DECEMBER 13, 2017	<b>PROJECT ADDRESS</b>	TBD
<b>PROJECT. TITLE</b>	AFFINITY AT RAMSEY		
<b>ESCROW #</b>			
<b>DEPARTMENT:</b>	Community Development: Planning Division (Landscape Plan & Environmental Resources)		
<b>TECHNICAL REVIEWER:</b>	Name: Chris Anderson, City Planner Phone: 763-433-9817 Email: <a href="mailto:canderson@cityoframsey.com">canderson@cityoframsey.com</a>		

The project is located within The COR, which has specific design standards relating to streetscape improvements, including sidewalk widths, boulevard widths, and boulevard plantings, which are outlined in [Table 3](#) of the Sub-District Framework – COR1 Mixed Use Core in The COR Design Framework. Furthermore, the Design Framework also addresses street furniture, which is outlined in the Master Streetscape Plan.

We offer the following comments regarding the Landscape Plan, prepared by Civil Site Group and dated June 1, 2017, and the Civil Plans, prepared by BKBM and also dated December 6, 2017, as it relates to The COR Design Framework:

**Sheet C2.0:**

- Boulevard width along Ramsey Parkway must be adjusted to six (6) feet per Table 3 of the Sub-District Framework – COR1 Mixed Use Core.
- Sidewalk width along Ramsey Parkway must be adjusted to six (6) feet per Table 3 of the Sub-District Framework – COR1 Mixed Use Core.
- Sidewalk width along the north/south street must be adjusted to ten (10) feet per Table 3 of the Sub-District Framework – COR1 Mixed Use Core.

**Sheet L1.0:**

- Boulevard width along Ramsey Parkway must be adjusted to six (6) feet per Table 3 of the Sub-District Framework – COR1 Mixed Use Core.
- Sidewalk width along Ramsey Parkway must be adjusted to six (6) feet per Table 3 of the Sub-District Framework – COR1 Mixed Use Core.
- Sidewalk width along the north/south street must be adjusted to ten (10) feet per Table 3 of the Sub-District Framework – COR1 Mixed Use Core.
- Heritage Oak is only hardy to zone 5. Replace with a more location appropriate species. If oak is desired, Bicolor Oak would be recommended.
- Amur Maple is a prohibited species and must be replaced. Please refer to the [Ramsey Tree Book](#) for potential alternative species.

- Mountain Frost Pear is an uncommon species and may prove challenging to obtain. An alternative species should be contemplated.
- Japanese Barberry is a prohibited shrub species and both proposed varieties must be replaced with an alternative species.
- Four (4) inches of topsoil meeting the City's specification shall be applied to all disturbed areas, **including boulevards**, not otherwise improved with impervious surfaces (building, parking lot, walkways, etc.).
- Irrigation system must be equipped with both a rain sensor and at least one water efficient technology such as soil moisture sensor(s), smart controller, ET sensor, etc.
- Scale appears to be 1" = 40' but is labeled as 1" = 20', please correct.
- There are a number of instances where text is not legible, please adjust to ensure that text is not overlapped with other text or lines.
- The City requires a two (2) year warranty period from the date that the City accepts the plantings as installed per the approved landscaping plan.
- A 'Pre-Planting' meeting with City Staff shall occur onsite, prior to any installation of boulevard trees. Contractor shall contact the City at least forty-eight (48) hours in advance to schedule this meeting.
- Sidewalks shall have alternating brush strokes per panel (see City specification).
- Once the Landscape Plan is approved by the City, there shall be no modifications to the Plant Schedule without first obtaining approval of the City.

**Sheet L1.1:**

- Only prune out dead/broken/misshapen branches.
- Boulevard trees shall not have branching beginning at a height less than six (6) feet from grade.
- Boulevard areas shall be irrigated as well.
- Irrigation system must be equipped with both a rain sensor and at least one water efficient technology such as soil moisture sensor(s), smart controller, ET sensor, etc.

**Meeting Date:** 12/18/2017

**By:** Chris Anderson, Community  
Development

**Information**

**Title:**

Review Landscaping Plan for New Elementary School

**Purpose/Background:**

A new elementary school is proposed to be constructed on Nowthen Blvd, directly east of 170th Ave. This would be in addition to the existing Ramsey Elementary School, not replacing it. The project includes a 90,000 square foot building footprint, plus outdoor play spaces, parking, and a bus corral. The intention is for the new school to be open for the 2019-2020 school year.

**Observations/Alternatives:**

The majority of the site presently is considered 'planted or cultivated vegetation', meaning that it has been actively farmed. However, in the northern portion of the site, there are two areas that are addressed in the City's Natural Resources Inventory (NRI). One is classified as a non-native or altered plant community, which is considered semi-natural and does not qualify for a quality rating. The other is a small portion of an oak woodland-brushland, which was considered to be a moderate quality natural area in the NRI. Neither of these areas will be impacted by the proposed improvements.

The landscaping standards of the B-1 Business District are being applied as there are no specific standards identified in the Public/Quasi-Public District. The landscaping requirements are based on the linear footage of the site and/or the square footage of the building, plus the number of proposed parking stalls. The proposed Plant Schedule meets or exceeds the required plantings. However, there are a few revisions requested that are outlined in the Staff Review Letter.

The plans do indicate that irrigation will be provided. The plans specify that the system shall include not only a rain sensor but also some form of water efficient technology. Furthermore, there will be two separate sources for water for the irrigation system. One source is proposed to be the stormwater pond. The project is proposing to reuse the stormwater to irrigate the play spaces, around the perimeter, and within the parking lot. The second source will be through the municipal water system and that will provide the irrigation around the building.

**Funding Source:**

All costs associated with this request are the responsibility of the Applicant.

**Action:**

Motion to recommend approval of the Landscape Plan contingent upon compliance with the Staff Review Letter.

**Attachments**

Site Location Map

Plan Sheets

Staff Review Letter

**Form Review**

**Inbox**

Tim Gladhill

Form Started By: Chris Anderson

Final Approval Date: 12/15/2017

**Reviewed By**

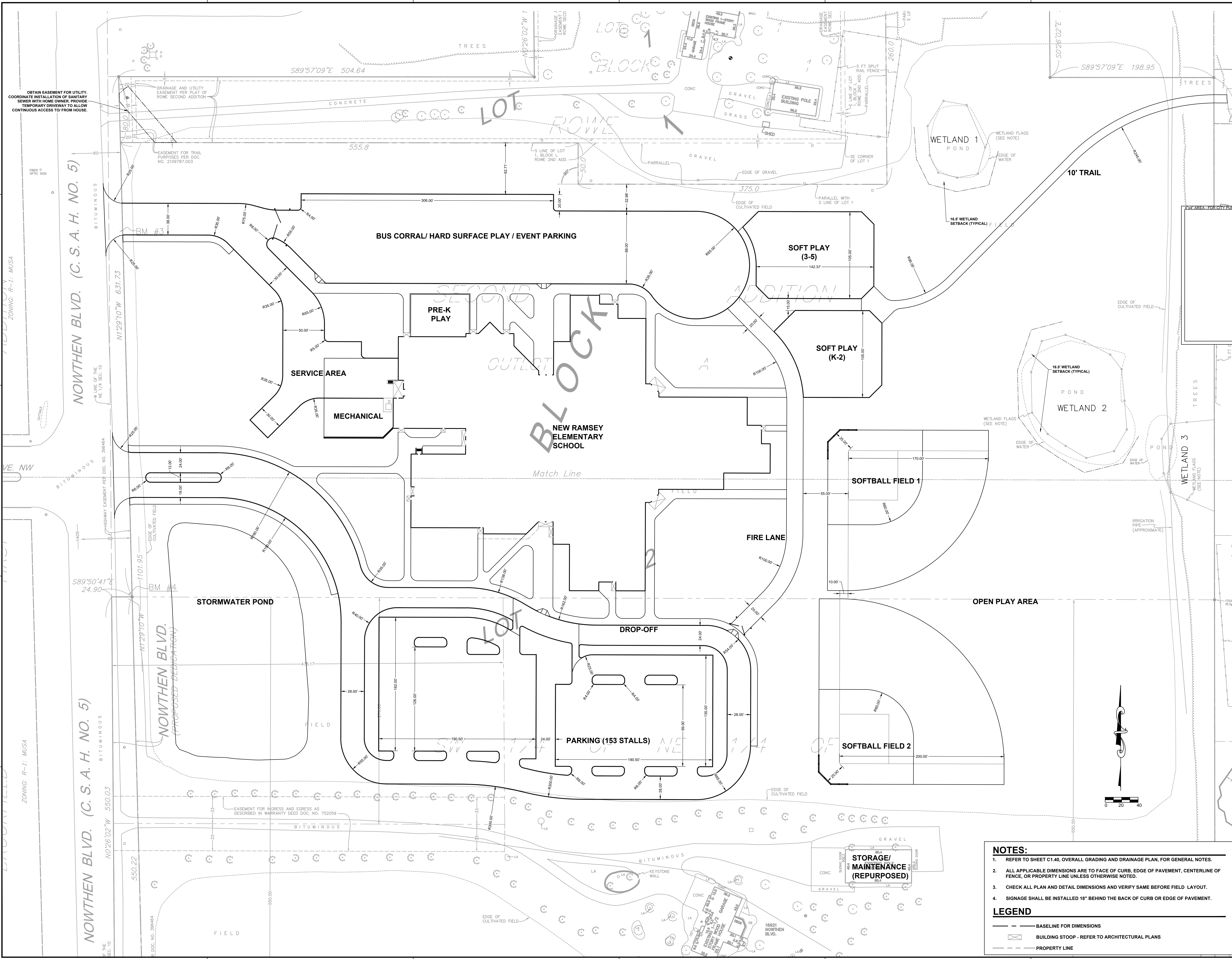
JoAnn Shaw

**Date**

12/15/2017 10:04 AM

Started On: 12/14/2017 12:41 PM





**NEW RAMSEY ELEMENTARY SCHOOL**  
**16961 NOWTHEN BLVD NW**  
**RAMSEY, MINNESOTA**  
ANOKA HENNEPIN SCHOOL DISTRICT NO. 11

**SIGNATURE / SEAL**

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 Landscape Architect under the laws of the State of Minnesota.

SIGNATURE \_\_\_\_\_

TYPED OR PRINTED NAME \_\_\_\_\_

DATE \_\_\_\_\_

LICENSE NUMBER \_\_\_\_\_

**REVISIONS**

NO.	DESCRIPTION

DRAWN BY \_\_\_\_\_

CHECKED BY \_\_\_\_\_

JRP

ISSUED FOR \_\_\_\_\_

AGENCY REVIEW

REVIEW \_\_\_\_\_

ISSUE DATE \_\_\_\_\_

12/08/2017

SHEET NAME

SITE LAYOUT

PLAN

ATS&R PROJECT NO. \_\_\_\_\_

17119

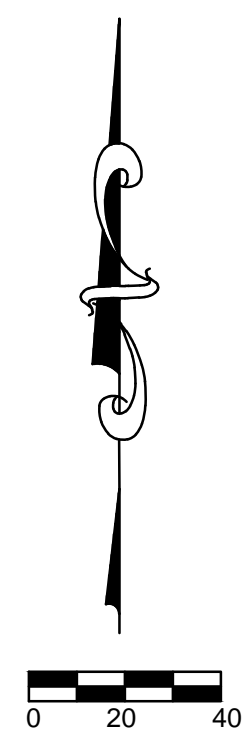
SHEET NUMBER

**NOTES:**

- REFER TO SHEET C1.40, OVERALL GRADING AND DRAINAGE PLAN, FOR GENERAL NOTES.
- ALL APPLICABLE DIMENSIONS ARE TO FACE OF CURB, EDGE OF PAVEMENT, CENTERLINE OF FENCE, OR PROPERTY LINE UNLESS OTHERWISE NOTED.
- CHECK ALL PLAN AND DETAIL DIMENSIONS AND VERIFY SAME BEFORE FIELD LAYOUT.
- SIGNAGE SHALL BE INSTALLED 18" BEHIND THE BACK OF CURB OR EDGE OF PAVEMENT.

**LEGEND**

- BASELINE FOR DIMENSIONS
- ▣ BUILDING STOOP - REFER TO ARCHITECTURAL PLANS
- - - PROPERTY LINE



**TREE CALCULATION**

BUILDING FOOTPRINT = 90,400 SQ.FT. ±  
 SITE PERIMETER = 5,355 LINEAR FEET OF PROPERTY LINE

1. DECIDUOUS/ CONIFEROUS TREE REQUIREMENT:  
 1.1. SITE PERIMETER = 5,355 LINEAR FEET OF PROPERTY LINE / 50 LF = 108 DECIDUOUS/ CONIFEROUS TREES REQ'D

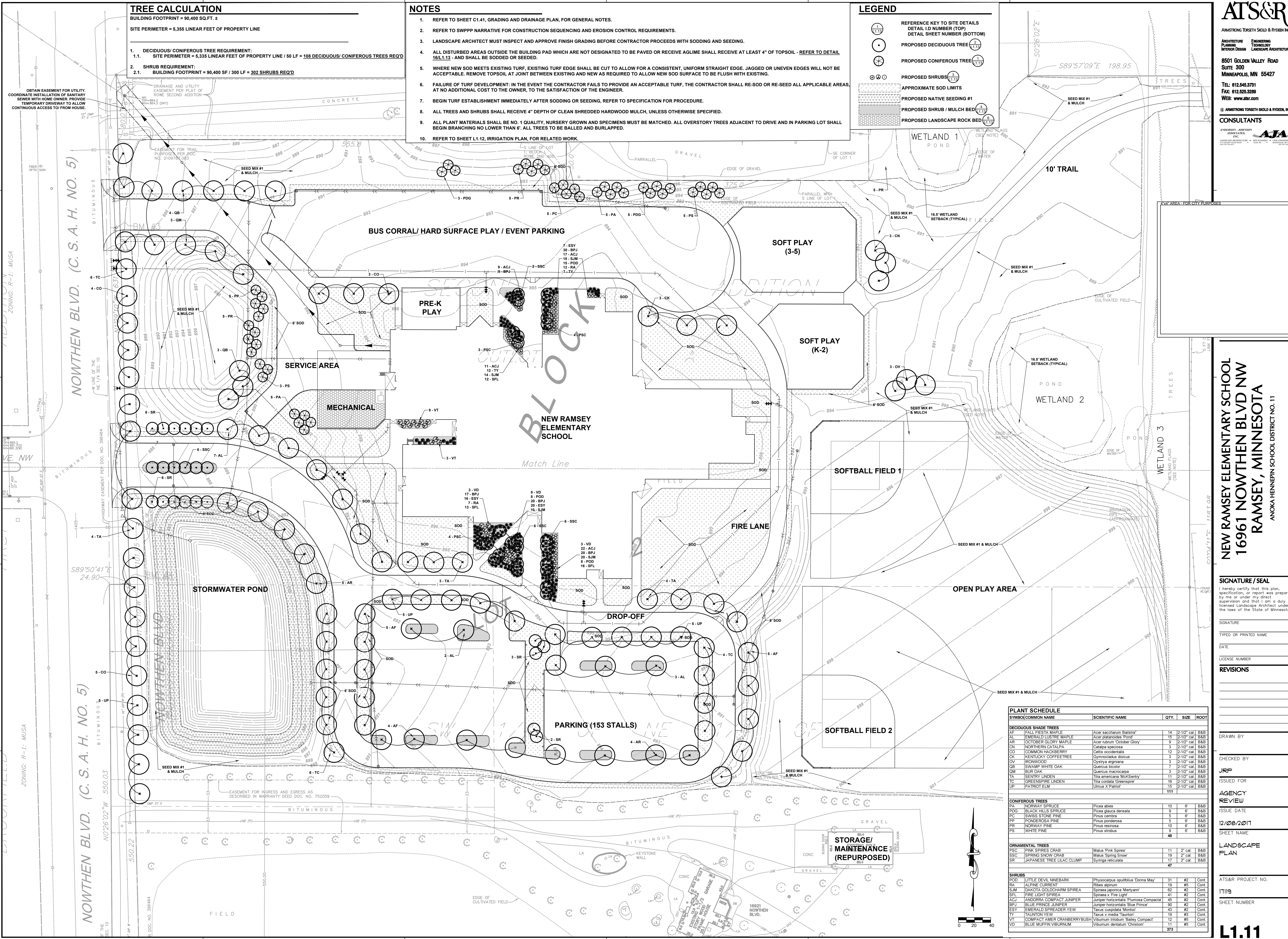
2. SHRUB REQUIREMENT:  
 2.1. BUILDING FOOTPRINT = 90,400 SF / 300 LF = 302 SHRUBS REQ'D

**NOTES**

- REFER TO SHEET C1.41, GRADING AND DRAINAGE PLAN, FOR GENERAL NOTES.
- REFER TO SWPPP NARRATIVE FOR CONSTRUCTION SEQUENCING AND EROSION CONTROL REQUIREMENTS.
- LANDSCAPE ARCHITECT MUST INSPECT AND APPROVE FINISH GRADING BEFORE CONTRACTOR PROCEEDS WITH SODDING AND SEEDING.
- ALL DISTURBED AREAS OUTSIDE THE BUILDING PAD WHICH ARE NOT DESIGNATED TO BE PAVED OR RECEIVE AGLIME SHALL RECEIVE AT LEAST 4" OF TOPSOIL - REFER TO DETAIL 16L1.13 - AND SHALL BE SODDED OR SEEDDED.
- WHERE NEW SOD MEETS EXISTING TURF, EXISTING TURF EDGE SHALL BE CUT TO ALLOW FOR A CONSISTENT, UNIFORM STRAIGHT EDGE. JAGGED OR UNEVEN EDGES WILL NOT BE ACCEPTABLE. REMOVE TOPSOIL AT JOINT BETWEEN EXISTING AND NEW AS REQUIRED TO ALLOW NEW SOD SURFACE TO BE FLUSH WITH EXISTING.
- FAILURE OF TURF DEVELOPMENT: IN THE EVENT THE CONTRACTOR FAILS TO PROVIDE AN ACCEPTABLE TURF, THE CONTRACTOR SHALL RE-SOD OR RE-SEED ALL APPLICABLE AREAS, AT NO ADDITIONAL COST TO THE OWNER, TO THE SATISFACTION OF THE ENGINEER.
- BEGIN TURF ESTABLISHMENT IMMEDIATELY AFTER SODDING OR SEEDING, REFER TO SPECIFICATION FOR PROCEDURE.
- ALL TREES AND SHRUBS SHALL RECEIVE 4" DEPTH OF CLEAN SHREDDED HARDWOOD MULCH, UNLESS OTHERWISE SPECIFIED.
- ALL PLANT MATERIALS SHALL BE NO. 1 QUALITY, NURSERY GROWN AND SPECIMENS MUST BE MATCHED. ALL OVERSTORY TREES ADJACENT TO DRIVE AND IN PARKING LOT SHALL BEGIN BRANCHING NO LOWER THAN 6'. ALL TREES TO BE BALLED AND BURLAPPED.
- REFER TO SHEET L1.12, IRRIGATION PLAN, FOR RELATED WORK.

**LEGEND**

- REFERENCE KEY TO SITE DETAILS  
 DETAIL ID NUMBER (TOP)  
 DETAIL SHEET NUMBER (BOTTOM)
- PROPOSED DECIDUOUS TREE
- PROPOSED CONIFEROUS TREE
- PROPOSED SHRUBS
- APPROXIMATE SOD LIMITS
- PROPOSED NATIVE SEEDING #1
- PROPOSED SHRUB / MULCH BED
- PROPOSED LANDSCAPE ROCK BED



**ATS&R**  
 ARMSTRONG TORSETH SHOLD & RYDEN, INC.  
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 ENGINEERING LANDSCAPE ARCHITECTURE  
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 SUITE 300  
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 FAX: 612.525.3289  
 WEB: www.atsr.com

**CONSULTANTS**  
 ANDERSON-JONSSON ASSOCIATES, P.C.  
 AIA  
 LANDSCAPE ARCHITECTURE

**NEW RAMSEY ELEMENTARY SCHOOL**  
 16961 NOWTHEN BLVD NW  
 RAMSEY, MINNESOTA  
 ANOKA HENNEPIN SCHOOL DISTRICT NO. 11

**SIGNATURE / SEAL**  
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SIGNATURE  
 TYPED OR PRINTED NAME  
 DATE  
 LICENSE NUMBER

**REVISIONS**

DRAWN BY  
 CHECKED BY  
 ISSUED FOR

**AGENCY REVIEW**  
 REVIEW  
 ISSUE DATE  
 12/08/2017  
 SHEET NAME

**LANDSCAPE PLAN**  
 ATS&R PROJECT NO.  
 17119  
 SHEET NUMBER

**PLANT SCHEDULE**

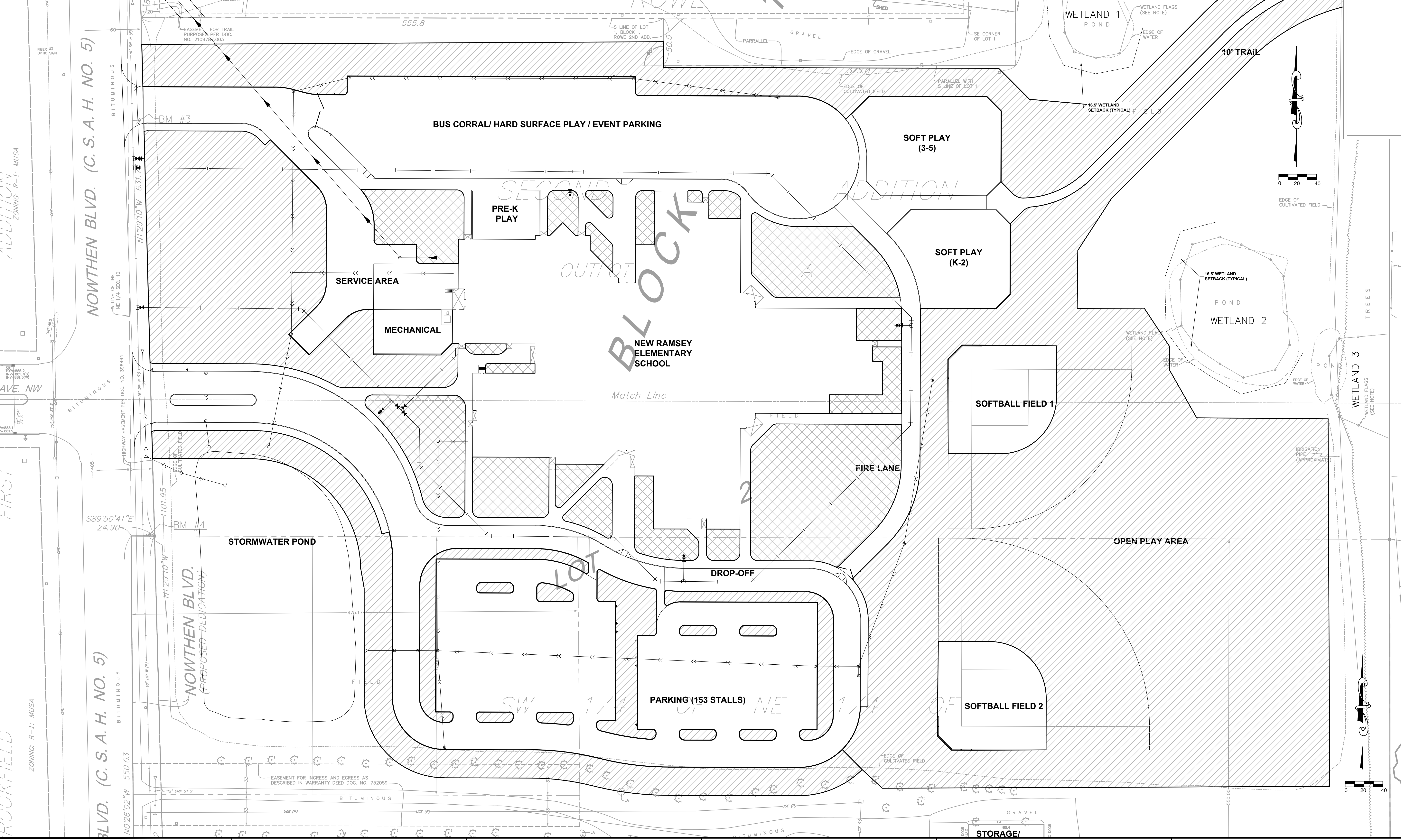
SYMBOL	COMMON NAME	SCIENTIFIC NAME	QTY.	SIZE	ROOT
<b>DECIDUOUS SHADE TREES</b>					
AF	FALL FESTIV MAPLE	Acer saccharum 'Ballista'	14	2-1/2" cal	B&B
AL	EMERALD LUSTRE MAPLE	Acer platanoides 'Pond'	15	2-1/2" cal	B&B
AR	OCTOBER GLORY MAPLE	Acer rubrum 'October Glory'	9	2-1/2" cal	B&B
CN	NORTHERN CALYPSO	Catalpa speciosa	3	2-1/2" cal	B&B
CO	COMMON HACKBERRY	Celtis occidentalis	12	2-1/2" cal	B&B
CK	KENTUCKY COFFEE TREE	Gymnocladus dioica	3	2-1/2" cal	B&B
OV	IRONWOOD	Ostrya virginiana	3	2-1/2" cal	B&B
QB	SWAMP WHITE OAK	Quercus bicolor	7	2-1/2" cal	B&B
GM	BUR OAK	Quercus macrocarpa	3	2-1/2" cal	B&B
TA	SENTRY LINDEN	Tilia americana 'Mock Sentry'	11	2-1/2" cal	B&B
TC	GREENSPIRE LINDEN	Tilia cordata 'Greenspire'	16	2-1/2" cal	B&B
UP	PATRIOT ELM	Ulmus X 'Patriot'	15	2-1/2" cal	B&B
			<b>111</b>		
<b>CONIFEROUS TREES</b>					
PA	NORWAY SPRUCE	Picea abies	10	6"	B&B
PDG	BLACK HILLS SPRUCE	Picea glauca densata	9	6"	B&B
PC	SWISS STONE PINE	Pinus cembra	5	6"	B&B
PR	PORONOROSA PINE	Pinus ponderosa	5	6"	B&B
PN	NORWAY PINE	Pinus resinosa	10	6"	B&B
PP	WHITE PINE	Pinus strobus	9	6"	B&B
			<b>48</b>		
<b>ORNAMENTAL TREES</b>					
PSC	PINK SPIRES CRAB	Malus 'Pink Spires'	11	2" cal	B&B
SSC	SPRING SNOW CRAB	Malus 'Spring Snow'	19	2" cal	B&B
SR	JAPANESE TREE LILAC CLUMP	Syringa reticulata	17	2" cal	B&B
			<b>47</b>		
<b>SHRUBS</b>					
PDG	LITTLE DEVIL NINEBARK	Physocarpus opulifolius 'Doma May'	31	#2	Cont.
RA	ALPINE CURRENT	Ribes alpinum	19	#5	Cont.
SJM	DAKOTA GOLDCHARM SPIREA	Spiraea japonica 'Mortyann'	62	#2	Cont.
SFL	FIRE LIGHT SPIREA	Spiraea x 'Fire Light'	41	#2	Cont.
ACJ	ANDORRA COMPACT JUNIPER	Juniper horizontalis 'Plumosa Compacta'	45	#2	Cont.
BPJ	BLUE PRINCE JUNIPER	Juniper horizontalis 'Blue Prince'	90	#2	Cont.
ESV	EMERALD SPREADER YEW	Taxus canadensis 'Morning'	43	#2	Cont.
TY	TAUNTON YEW	Taxus x media 'Taunton'	19	#3	Cont.
VT	COMPACT AMER CRANBERRYBUSH	Viburnum trilobum 'Baley Compact'	12	#5	Cont.
VD	BLUE MUFFIN VIBURNUM	Viburnum dentatum 'Christom'	11	#5	Cont.
			<b>373</b>		

**NOTES**

- REFER TO SHEET C1.41, GRADING AND DRAINAGE PLAN, FOR GENERAL NOTES.
- IRRIGATION SYSTEM IS DESIGNED FOR 60" PSI AT THE BASE OF HEADS ON 'POND SYSTEM' AND 50" PSI AT THE BASE OF HEADS ON 'BUILDING SYSTEM'. NOTIFY ENGINEER/LANDSCAPE ARCHITECT IF EXISTING PRESSURE DIFFERS.
- WATER SOURCE FOR POND SYSTEM: WATER WILL BE AVAILABLE FROM PROPOSED 4" CAPPED FLANGE FROM THE POND PUMP STATION.
- WATER SOURCE FOR THE BUILDING SYSTEM (ZONES 33-49): WATER WILL BE AVAILABLE FROM PROPOSED 2" CAPPED FLANGE INSIDE THE MECHANICAL ROOM.
- LAYOUT WORK AS ACCURATELY AS POSSIBLE. THE CONTRACTOR MAY MAKE MINOR ADJUSTMENTS TO THE LOCATION AND SPACING AS NECESSARY TO ACCOMMODATE ACTUAL FIELD CONDITIONS. HEAD LOCATIONS SHALL BE FLAGGED AND REVIEWED BY THE ENGINEER PRIOR TO INSTALLATION.
- COORDINATE INSTALLATION WITH THE WORK OF OTHERS.
- ALL MATERIALS SHALL BE INSTALLED AS DETAILED ON DRAWINGS, HOWEVER, IF THE CONTRACT DRAWINGS AND/OR SPECIFICATIONS DO NOT THOROUGHLY DESCRIBE THE METHOD OR TECHNIQUES TO BE USED, THE CONTRACTOR SHALL FOLLOW THE INSTALLATION METHODS ISSUED BY THE MANUFACTURER. ALL SUCH LITERATURE MUST BE SUBMITTED 48 HOURS PRIOR TO INSTALLATION FOR REVIEW AND APPROVAL BY THE ENGINEER.
- CHECK AND VERIFY ALL EXISTING AND PROPOSED SITE CONDITIONS, UTILITIES AND SERVICES PRIOR TO TRENCHING.
- LATERAL PIPING SHALL BE A MINIMUM OF 12 INCHES DEEP AND MAINLINE PIPING A MINIMUM OF 18 INCHES DEEP. ENGINEER SHALL BE NOTIFIED TO VERIFY TRENCH DEPTHS BEFORE BACKFILLING.
- ALL MAINLINE PIPING SHALL BE PVC (SDR 21 / CLASS 200). LATERAL LINE PIPING FOR BALL FIELDS SHALL BE PVC (SDR 26 / 160 PSI).
- ALL MAIN LINE PIPING AND LATERAL PIPE OF 1-1/2" AND LARGER AT AREAS OUTSIDE OF BALL FIELDS SHALL BE PVC (SDR 26 / CLASS 160).
- ALL PIPE WITH NO SIZE LABEL SHALL BE 1".
- ALL SPRINKLERS SHALL BE AS NOTED ON LEGEND.
- ADJUST HEADS FOR GRADE, AS NECESSARY, AFTER GRASS HAS BEEN ESTABLISHED AND ALL SETTLEMENT AT HEADS HAS OCCURRED.
- ALL RISERS, BACKFLOW PREVENTORS AND HOSE BIBS SHALL BE SET PLUMB. SPRINKLER HEAD RISERS, QUICK COUPLER VALVES AND ALL VALVES WITH STEMS SHALL BE SET PERPENDICULAR TO FINISHED GRADE.
- CONTROL VALVE WIRES SHALL BE #14 GAUGE U.F.U.L. JACKETED DECODER CABLE APPROVED DIRECT BURIAL. UNDERGROUND CONNECTIONS SHALL BE MADE WITH 3-M WIRE CONNECTORS (DBY), OR APPROVED EQUAL.
- PLACE ALL VALVES IN APPROVED VALVE BOXES.
- CONDUCT PERFORMANCE TEST IN THE PRESENCE OF OWNER AND LANDSCAPE ARCHITECT FOLLOWING COMPLETION OF SYSTEM INSTALLATION.
- CONDUCT AND DEMONSTRATE TO OWNER THE WINTERIZATION AND SPRING START-UP PROCESS IN THE FALL OF COMPLETION.
- IRRIGATION CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL EQUIPMENT NECESSARY TO MAKE THE SYSTEM FULLY FUNCTIONAL.
- IRRIGATION CONTRACTOR TO COORDINATE WITH CONSTRUCTION MANAGER TO PROTECT EXISTING UTILITIES.
- PER CITY CODE, THE IRRIGATION SYSTEM SHALL UTILIZE TECHNOLOGY THAT INHIBITS OR INTERRUPTS OPERATION OF THE IRRIGATION SYSTEM DURING PERIODS OF SUFFICIENT MOISTURE. AS DETAILED, SOIL MOISTURE SENSORS SHALL BE INTEGRATED INTO THE SYSTEM. ALTERNATIVES MAY INCLUDE WEATHER-BASED IRRIGATION CONTROLLER(S), AND/OR EVAPO-TRANSPARATION (ET) SENSORS.

**LEGEND**

- LIMITS OF IRRIGATED AREA - POND SYSTEM (369,500 SF / 8.5 ACRES)
- LIMITS OF IRRIGATED AREA - BUILDING SYSTEM (70,000 SF / 1.6 ACRES)



**ATS&R**  
 ARMSTRONG TORSETH SKOLD & RYDEN INC.  
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 ENGINEERING LANDSCAPE ARCHITECTURE  
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ARMSTRONG TORSETH SKOLD & RYDEN, INC.  
**CONSULTANTS**  
 ANDERSON-JANSSON ASSOCIATES, INC.  
 LANDSCAPE ARCHITECTURE • IRRIGATION • SITE DEVELOPMENT

**NEW RAMSEY ELEMENTARY SCHOOL**  
 16961 NOWTHEN BLVD NW  
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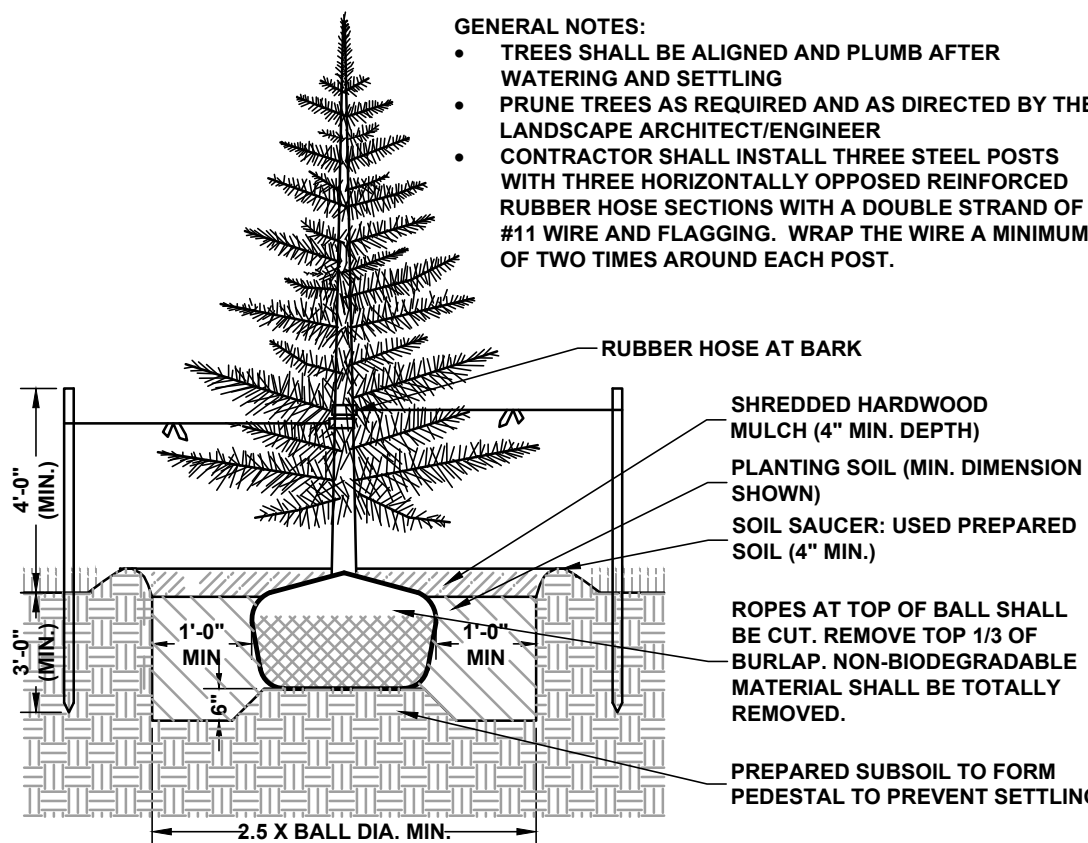
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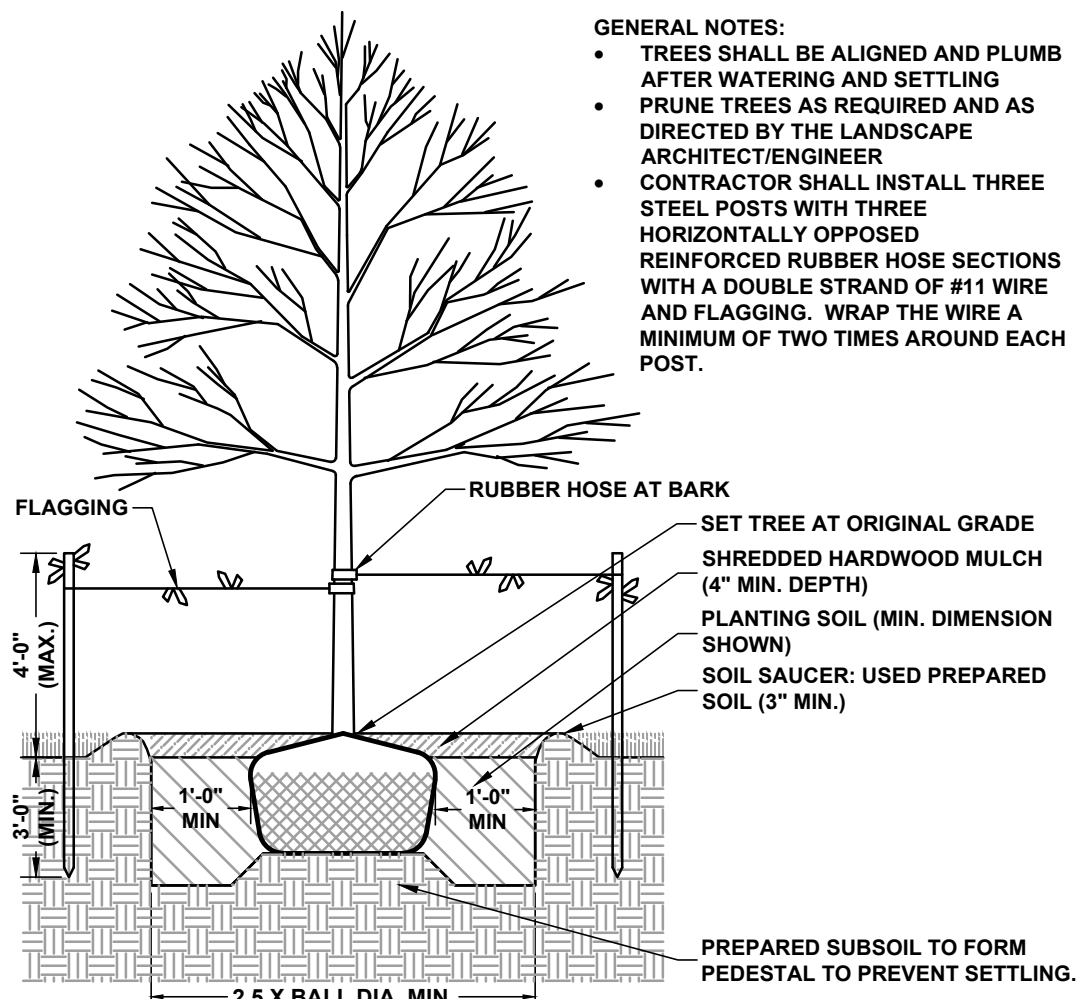
**REVISIONS**


DRAWN BY \_\_\_\_\_  
 CHECKED BY \_\_\_\_\_  
 JRP  
 ISSUED FOR \_\_\_\_\_  
 AGENCY REVIEW  
 REVIEW ISSUE DATE \_\_\_\_\_  
 12/08/2017  
 SHEET NAME  
 IRRIGATION PLAN

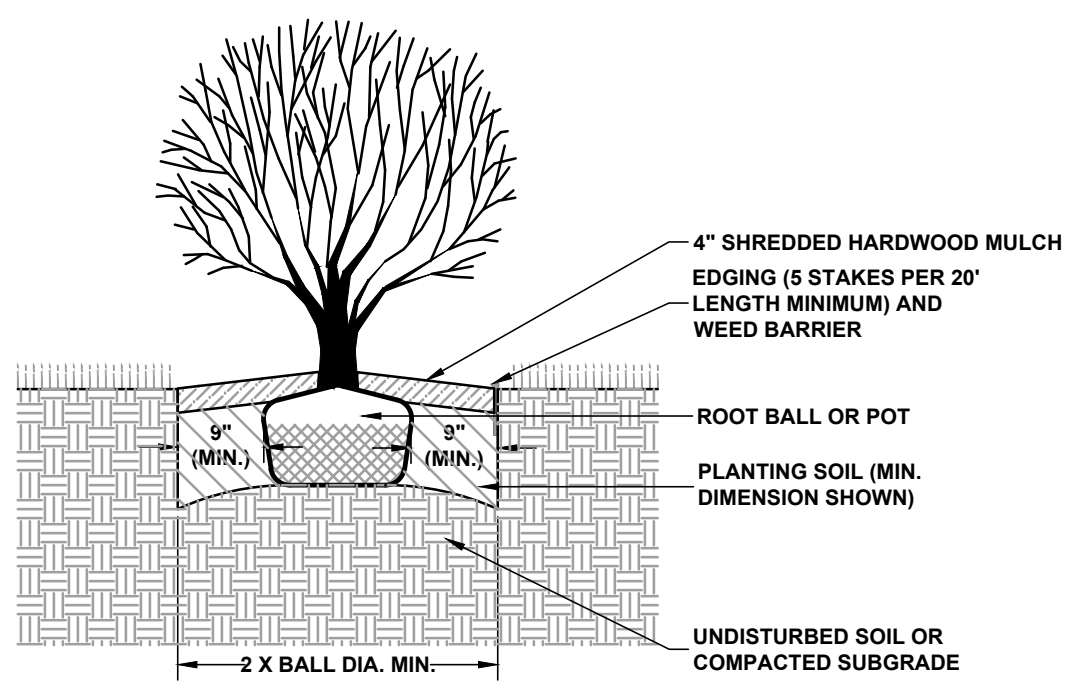
ATS&R PROJECT NO. \_\_\_\_\_  
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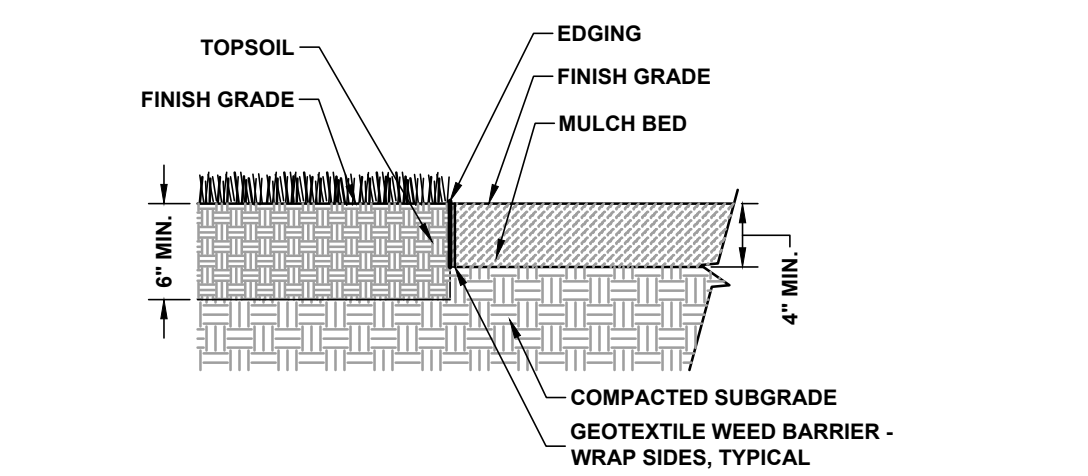
**1 CONIFEROUS TREE**  
L.1.13



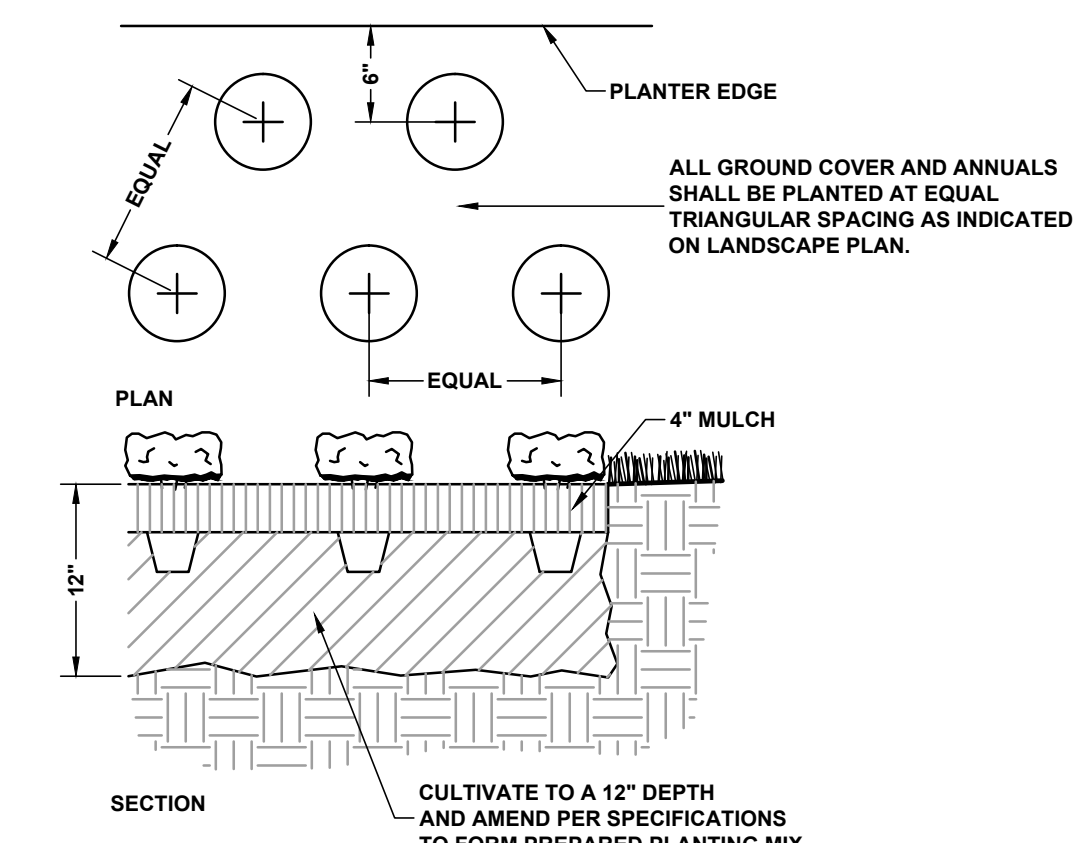
**2 DECIDUOUS TREE**  
L.1.13



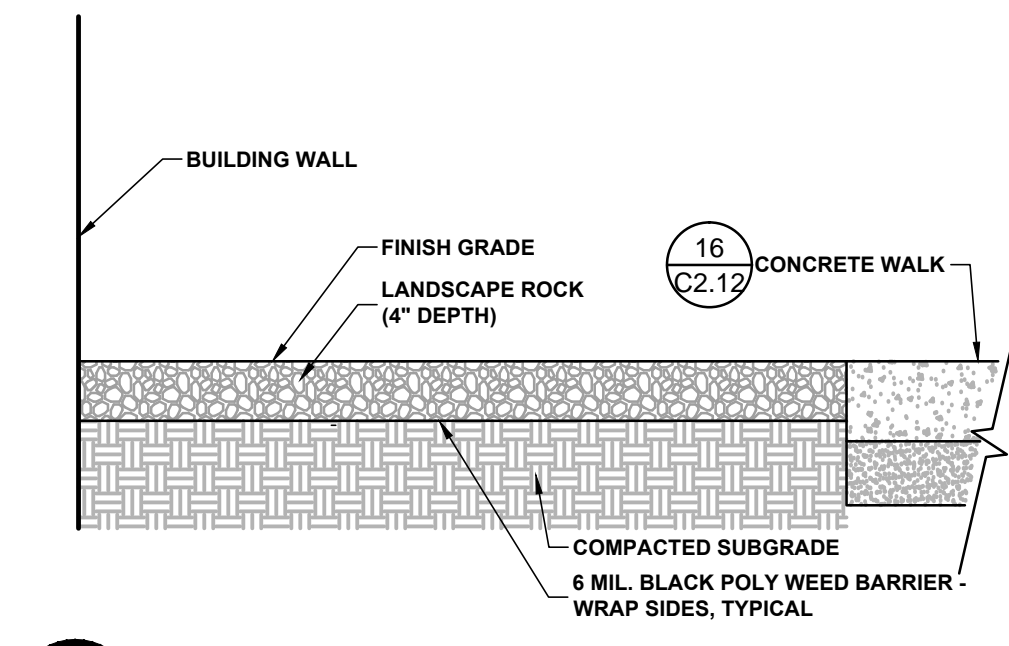
**3 SHRUB**  
L.1.13



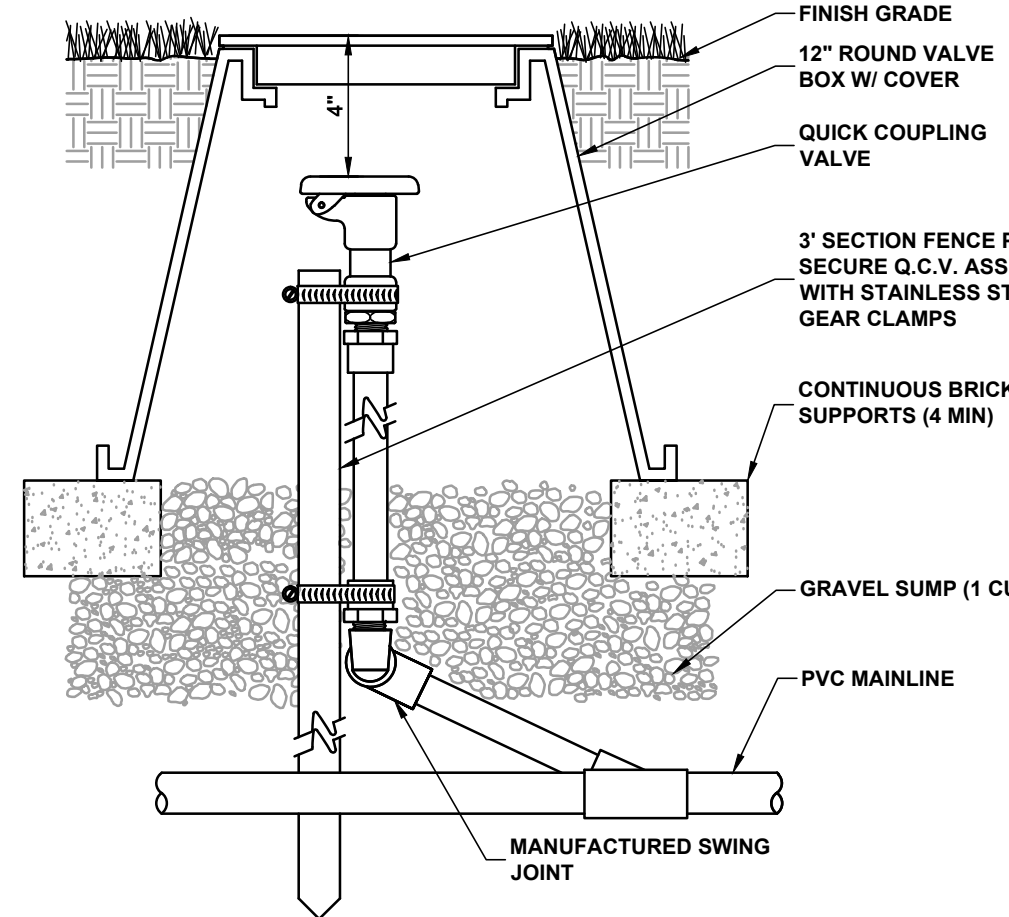
**4 SHRUB BED EDGING**  
L.1.13



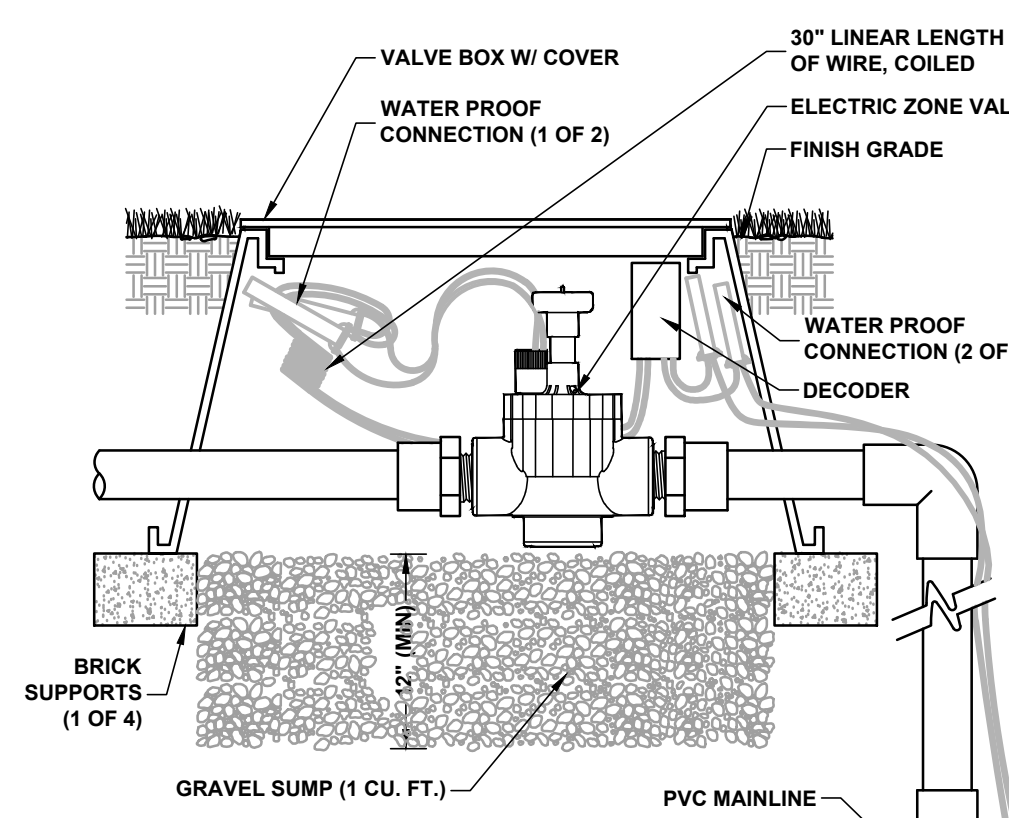
**5 GROUND COVER AND PERENNIALS**  
L.1.13



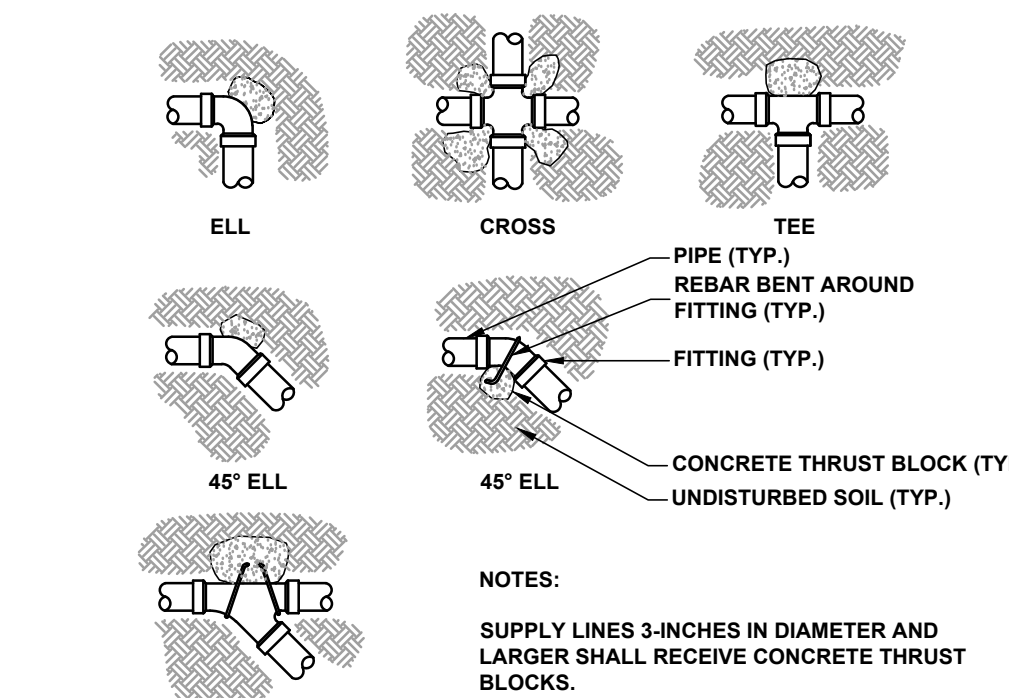
**6 LANDSCAPE ROCK BED**  
L.1.13



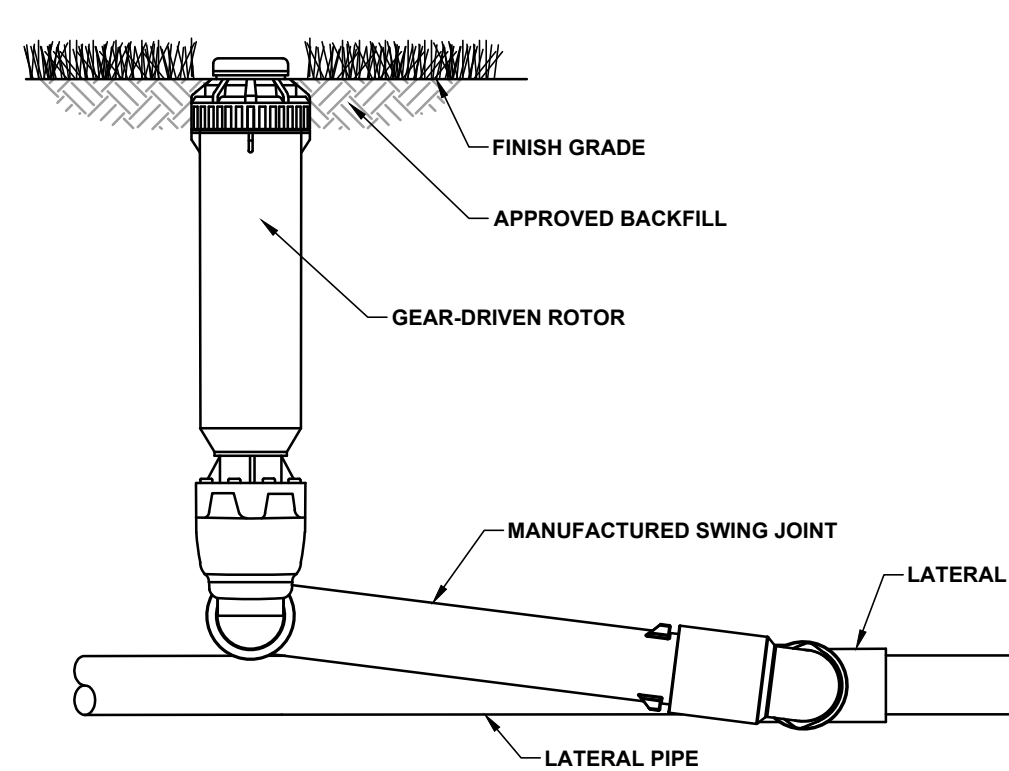
**7 QUICK COUPLER**  
L.1.13



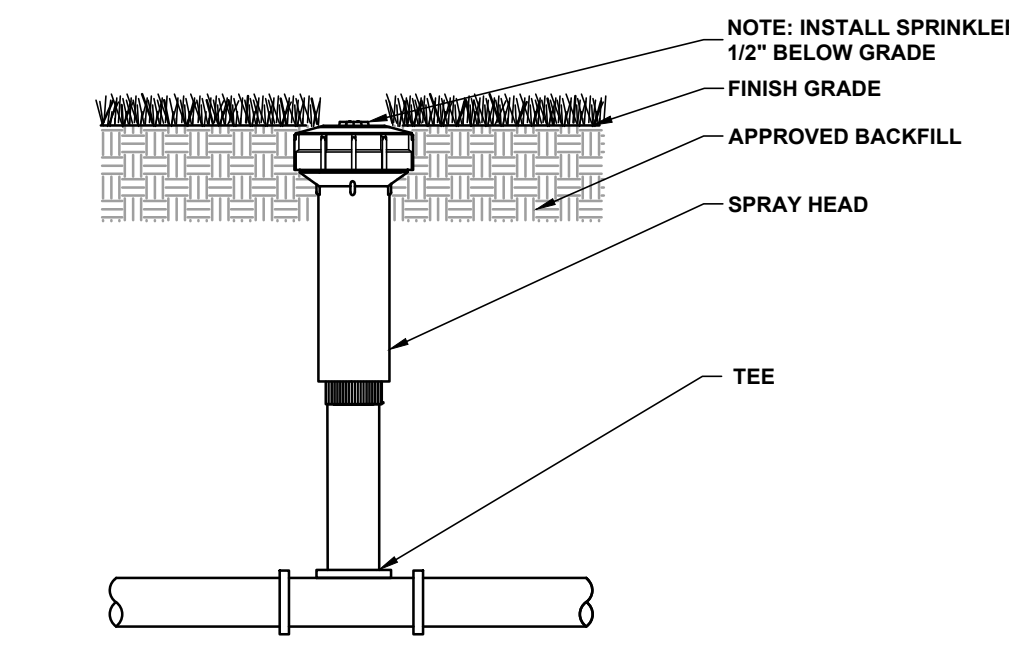
**8 DECODER / VALVE BOX AND SUMP**  
L.1.13



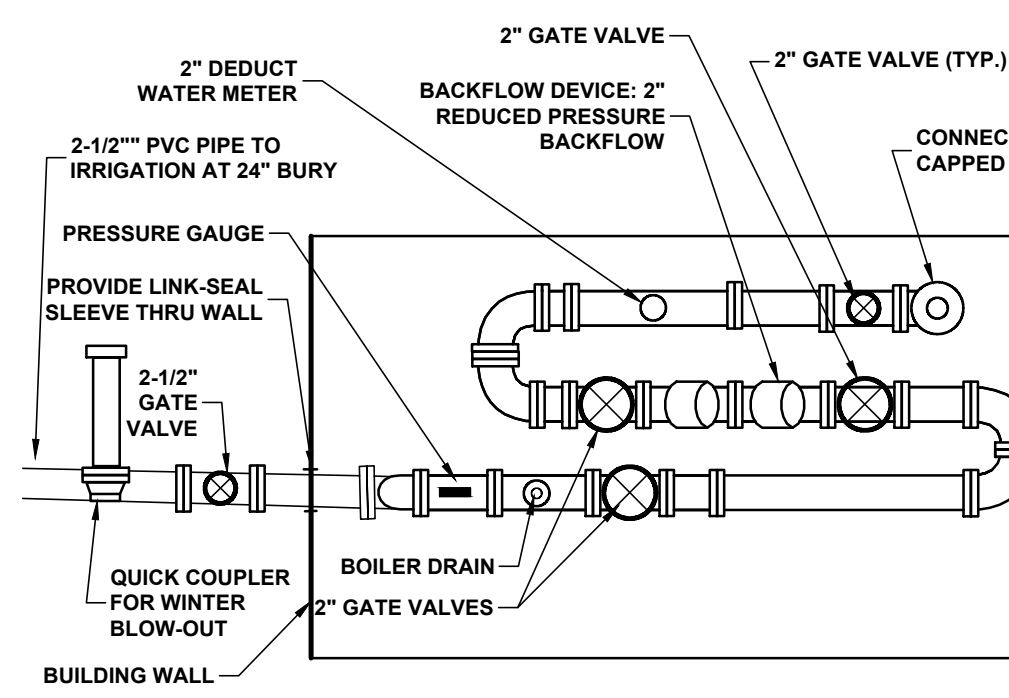
**9 THRUST BLOCK (IRRIGATION LINES ONLY)**  
L.1.13



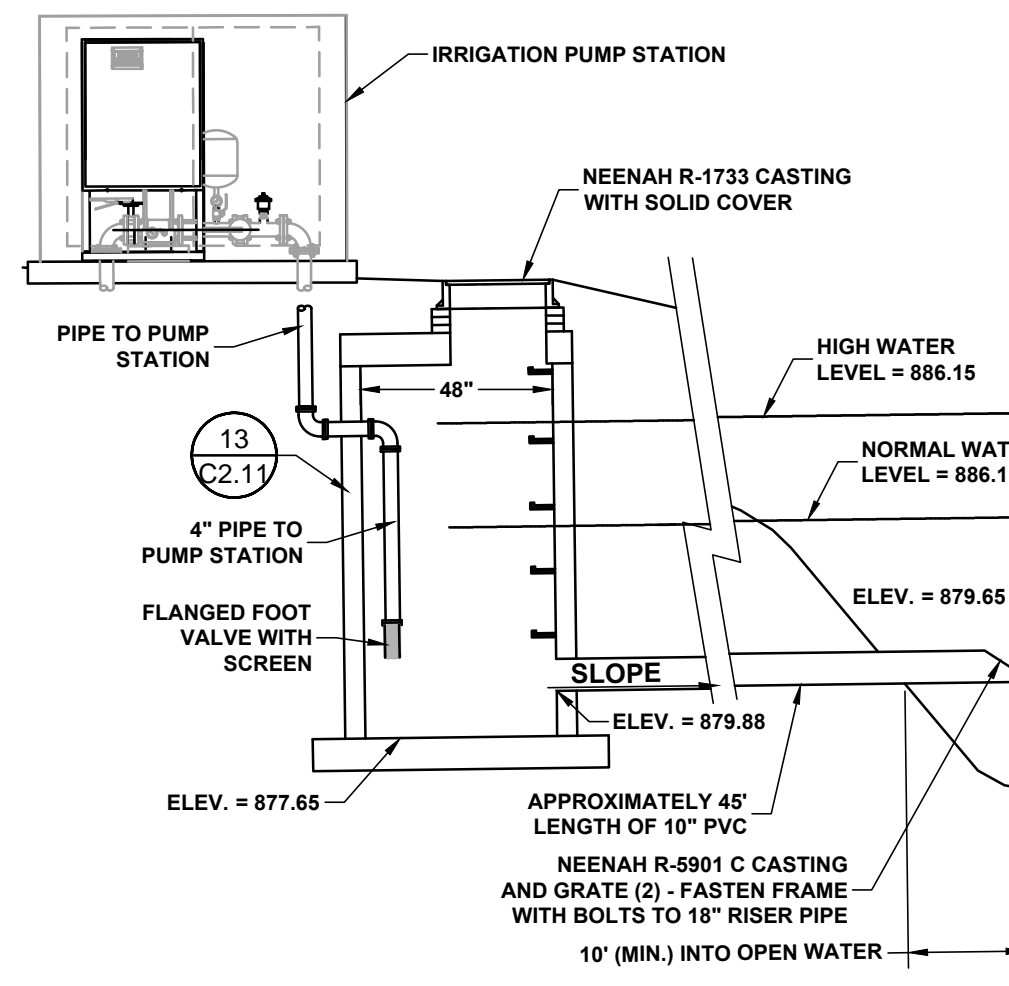
**10 GEAR DRIVE SPRINKLER**  
L.1.13



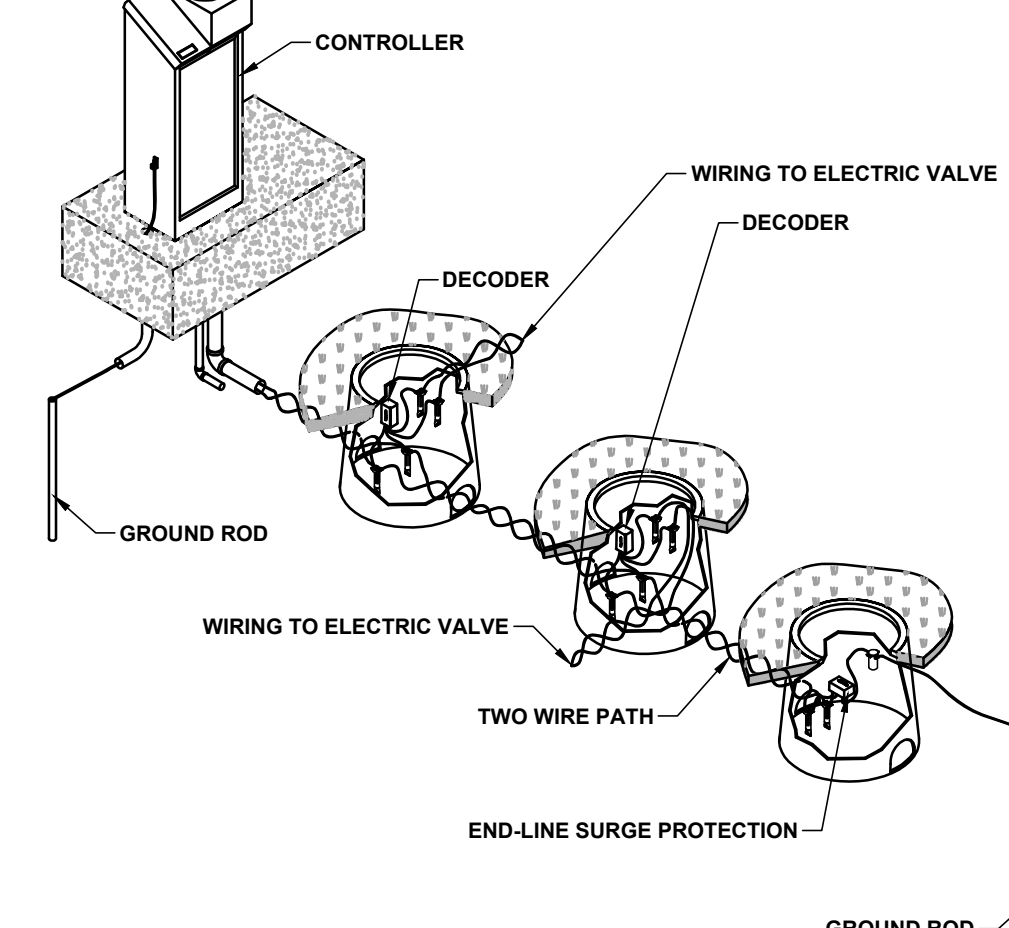
**11 SPRAY HEAD SPRINKLER**  
L.1.13



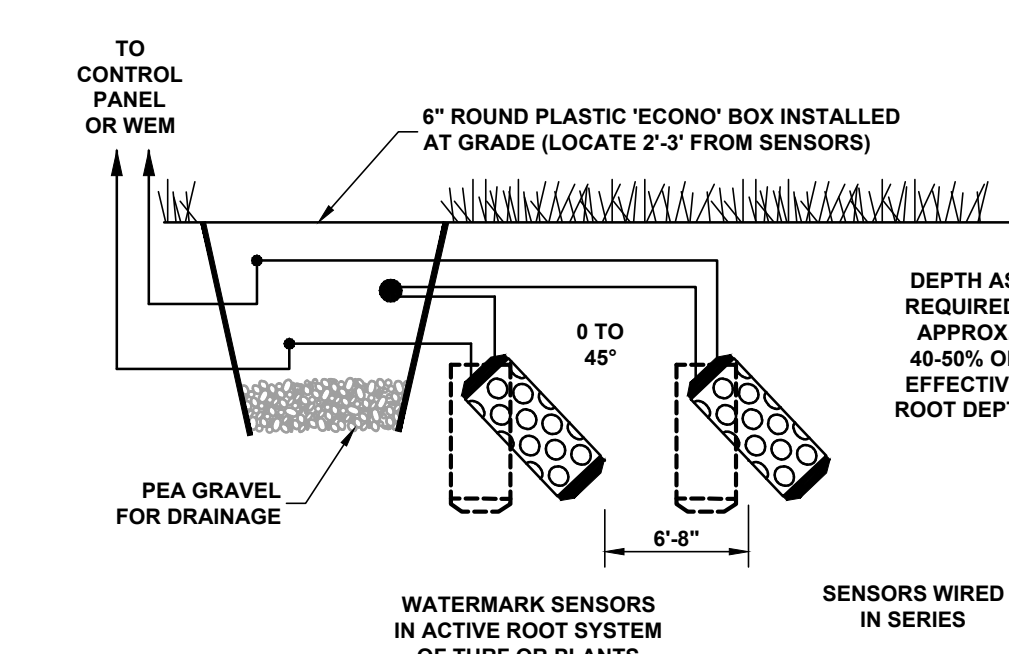
**12 IRRIGATION SERVICE CONNECTION TO BUILDING**  
L.1.13



**13 IRRIGATION WELL WELL (MANHOLE)/ INTAKE ASSEMBLY**  
L.1.13



**14 IRRIGATION WIRING DIAGRAM**  
L.1.13



**15 MOISTURE SENSOR**  
L.1.13

**MNDOT 2016 SPEC**

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

**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 USED IT MUST MEET MNDOT REQUIREMENTS FOR RECYCLED BASE.

APPROVED: 2 - 2003  
CITY OF RAMSEY  
CITY PLATE No. STR-26  
STANDARD DETAILS: MODIFIED CLASS 5 SPECIFICATIONS

**MODIFIED CLASS 5 SPECIFICATIONS**  
L.1.13

NEW RAMSEY ELEMENTARY SCHOOL  
16961 NOWTHEN BLVD NW  
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ANOKA HENNEPIN SCHOOL DISTRICT NO. 11

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LICENSE NUMBER

**REVISIONS**

NO.	DATE	DESCRIPTION

DRAWN BY

CHECKED BY

JRP

ISSUED FOR

AGENCY REVIEW

REVIEW

ISSUE DATE

12/08/2017

SHEET NAME

DETAILS

ATS&R PROJECT NO.

17113

SHEET NUMBER

**CITY OF RAMSEY LAND USE APPLICATION**  
**TECHNICAL REVIEW FILE**

<b>DATE</b>	DECEMBER 14, 2017	<b>PROJECT ADDRESS</b>	NOWTHEN BLVD EAST OF 170 <sup>TH</sup> AVE
<b>PROJECT. TITLE</b>	RAMSEY ELEMENTARY SCHOOL		
<b>ESCROW #</b>	115884		
<b>DEPARTMENT:</b>	Community Development: Planning Division (Zoning Code)		
<b>TECHNICAL REVIEWER:</b>	Name: Chris Anderson, City Planner Phone: 763-433-9817 Email: <a href="mailto:canderson@cityoframsey.com">canderson@cityoframsey.com</a>		

The City is in receipt of a Site Plan for a proposed new elementary school to be located on Nowthen Blvd (CSAH 5), directly east of 170<sup>th</sup> Ave NW. The Site Plan submittal consists of seventeen (17) sheets, prepared by ATS & R and dated December 8, 2017. We offer the following comments:

**Sheet C1.00**

- There is a required 16.5 foot setback from wetlands and stormwater ponds, which shall also be encumbered with drainage and utility easement.

**Sheet L1.11**

- Shrub size must be at least twenty-four (24) inches in height or width, depending on growth characteristics of individual plant species. Revise Plant Schedule to specify minimum size.
- Replace Ribes alpinum (alpine currant) with an a different species. Ribes is the alternate host for the disease known as White Pine Blister Rust; with white pine also being planted, a shrub not within the Ribes genus should be used.
- Include the parking landscape requirements (1 tree per every 10 parking stalls). Note that the proposed landscaping satisfies the total landscape requirements (including the parking standards), but this should be included I the Tree Calculation section to avoid any confusion.
- Where seed mix is indicated on the plan, add the symbol to indicate the limits of seed mix (e.g. it is labeled directly west of service area but the correlating symbol in the legend isn't shown).

**Sheet L1.13**

- Amend the Tree Planting Details to include the following
  - Mulch shall not be in direct contact with tree trunk.
  - Only prune out dead, broken, or misshapen branches at time of planting.
  - Planting depth shall be such that the first set of primary roots are at finished grade.

**General.** The Site Plan proposes an elementary school along with vehicle parking, bus corral, playground and ball fields. The project will require a Zoning Amendment to rezone the land from R-1 Residential (MUSA) to Public/Quasi-Public; however, the standards of the B-1 Business district are being used for review purposes.

The majority of the property is classified as 'planted or cultivated vegetation' as it has been actively farmed. There are two small pockets of natural areas that were identified in the Natural Resources Inventory (NRI). One is considered a Non-Native plant community, which is considered to be a semi-natural area but does not qualify for a natural quality ranking. The second is an oak woodland-brushland, which has a moderate ranking. Both of these areas are in the far north portion of the property and will be untouched.



**Wetlands.** There are several rather small wetlands on the property. Each is subject to a 16.5 foot setback that needs to be encumbered with drainage and utility easement. These wetlands were too small to be included in the Wetland Inventory the City had completed about ten (10) years ago. However, there do not appear to be any proposed impacts to the wetlands.

**Landscaping.** It appears that the combination of proposed trees and shrubs meets/exceeds the required plantings. The size of the trees is acceptable; shrubs must be at least twenty-four (24) inches in size at time of installation. Furthermore, *Ribes alpinum* (alpine currant) is the alternate host for White Pine Blister Rust. Since white pine is also proposed, an alternative shrub should be used (avoid the *Ribes* genus altogether). The Plant Schedule should be revised accordingly. Finally, while the use of a seed mix is acceptable, more specific information is requested about what Seed Mix #1 is.

**Irrigation.** The project is proposing a dual source system for irrigation. Much of the perimeter of the site, including the ball fields and open play area, will be irrigated by drawing water from the stormwater pond. The areas closer to the building will be irrigated via groundwater (through the municipal water system). The plans indicate that soil moisture sensors will be utilized to help limit irrigation to when it is really needed.

**Tree Inventory.** A tree inventory will not be required for this project. The only significant trees on the property are well beyond the limits of construction for the project and therefore, there should not be any impact to the trees.

**Environmental Policy Board (EPB)**

**5.3.**

**Meeting Date:** 12/18/2017

**By:** Chris Anderson, Community  
Development

**Information**

**Title:**

Review Draft Natural Resources Chapter of Comprehensive Plan

**Purpose/Background:**

The purpose of this case is to review a draft of the Natural Resources Chapter of the Comprehensive Plan and provide initial feedback to Staff. This Draft was reviewed by the Comprehensive Plan Steering Committee on December 11. Note that the review of this chapter, similar to all the other chapters, will be an iterative review process . This will not be the last time the Board will review this chapter.

**Observations/Alternatives:**

The draft chapter was reviewed by the Comp Plan Steering Committee on December 11, 2017. While this is a very rough draft, there were some items identified by that group that should be considered for inclusion in the document. The following topics were identified:

- Broaden recycling language to include and address commercial recycling
- Road salt and the potential impacts on water quality
- Air pollution (as a result of a growing community and increased traffic counts)
- Water regulations (this was a result of a discussion about increasing the frequency of billing to monthly rather than quarterly to potentially assist with identifying leaks and high usage)
- Energy efficient initiatives

As noted previously, this will not be the last the EPB sees this draft chapter. Staff wanted to provide the Board an opportunity early on to provide input and feedback on the content thus far. It is intended that this draft chapter will also be reviewed by the Planning Commission at their January meeting.

**Action:**

Provide input and recommendations on the draft chapter.

**Attachments**

Draft Natural Resources Chapter

**Form Review**

**Inbox**

Tim Gladhill

Form Started By: Chris Anderson

Final Approval Date: 12/14/2017

**Reviewed By**

Tim Gladhill

**Date**

12/14/2017 02:11 PM

Started On: 12/13/2017 01:22 PM

# City of Ramsey 2040 Comprehensive Plan Update

Natural Resources Plan

## 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.

## Our Mission

It is our mission to work together to responsibly grow our community, and to provide quality, cost-effective, and efficient government services.

## 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.

## Core Values

- 1) Encourage new pedestrian friendly neighborhoods and balanced transportation.
- 2) Maintain landowner rights.
- 3) Employ careful foresight that involves all citizens in decisions that affect their lives, property, and neighborhoods through collaborative public engagement.
- 4) Nurture neighborhood and community interactions with flexibility to meet future needs without compromising the needs and interests of current residents.
- 5) Develop and maintain a well-connected park and public space system for all ages.
- 6) Attract and retain businesses that support the whole community.

## 2030 Plan Accomplishments

The last plan was adopted in 2010. While a number of factors changed since the adoption of the last plan, the City can celebrate a number of successes as it relates to our management of natural resources. Subsequent chapters of the 2040 Comprehensive Plan will celebrate their own successes.

- Relied on the Natural Resources Inventory (NRI) to inform recommendations on subdivision design and areas of focused protection/preservation where feasible.
- Purchased two (2) Weed Wrenches to assist property owners with managing and eradicating certain invasive species, specifically Buckthorn.
- Protected Ramsey's rural character in many areas of the community, representing the largest land area category in the community.
- Mitigated City's financial risks associated by new developments by encouraging new development to focus near existing infrastructure.
- Ensured new development protected natural resources, made trail connections, and blended in with surrounding development.
- Employed conservation subdivision practices aimed to protect existing neighborhoods and natural resources.
- Struck a balance between land use planning, policy development, natural resource protection, and private property rights.
- Refined the Tree Preservation Ordinance to establish a reforestation standard and proactively began working with developers to establish street trees rather than just front yard trees.
- Encouraged stormwater management systems/plans that incorporating rain harvesting techniques (reducing the demand on and use of groundwater for irrigation) and rain gardens (to promote infiltration and groundwater recharge).
- Employed new strategies to help residents recycle additional materials and divert more materials from landfills.
- Implemented an organics recycling program for residents.

## Goals and Strategies

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. Rural Character and Urban Growth Balance
2. An Active Community (Parks, Recreation, and Open Space)
3. A Connected Community (Transportation)
4. A positive learning environment

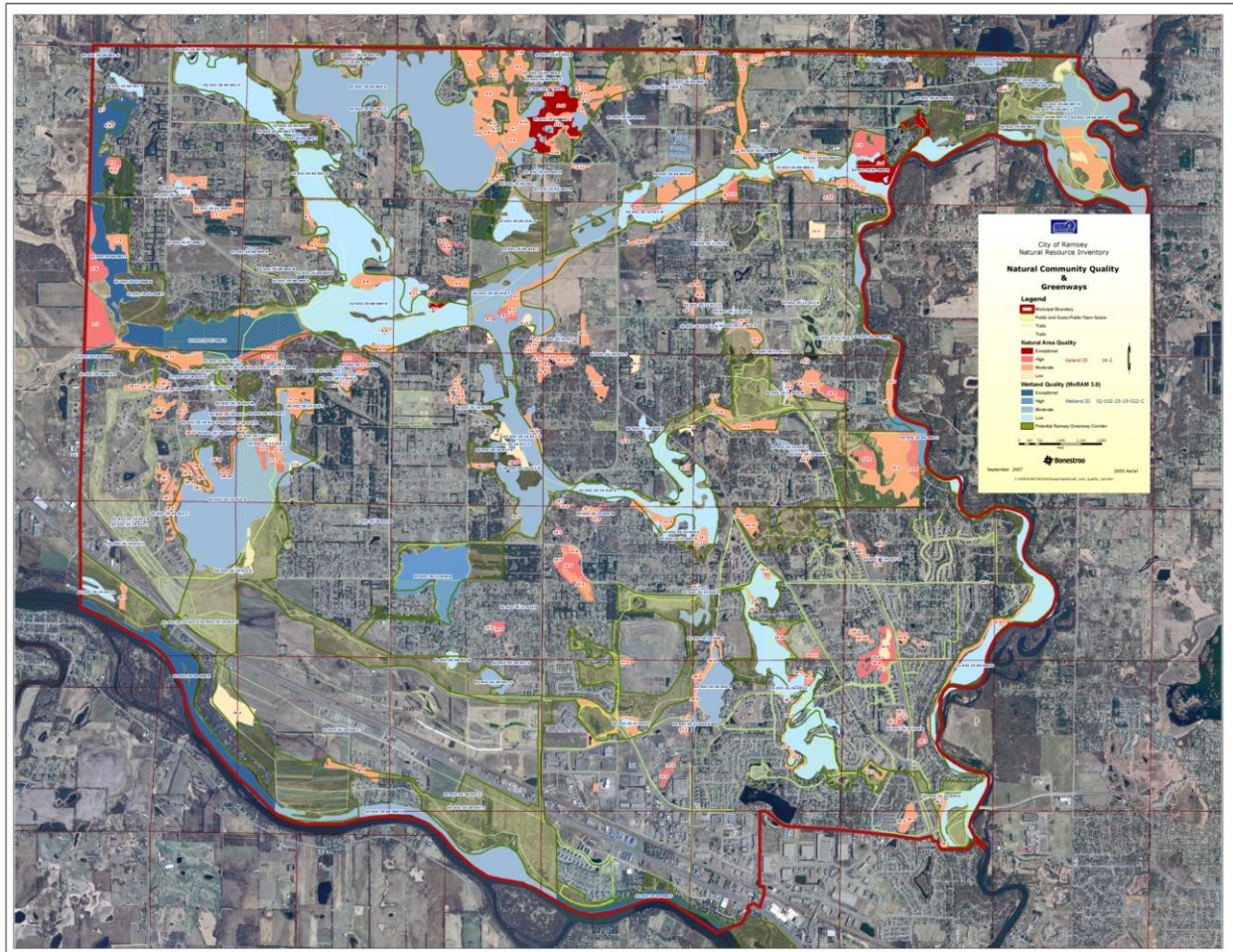
Goal/Initiative	Tactic	Timeframe	Key Outcomes	Additional Resources
Enhance Protection of Natural Resources				
	Ensure sustainability of food supply and food web by promoting pollinator friendly practices and initiatives.	2018	<ul style="list-style-type: none"> <li>• Create polices to maintain and expand pollinator friendly landscapes on public lands through collaboration with the Parks &amp; Recreation Commission</li> <li>• Improve communications and resources regarding pollinators to residents and businesses</li> </ul>	<ul style="list-style-type: none"> <li>• 0.25 FTE</li> </ul>
	Protect water quality of Mississippi River from additional sediment loading due to shoreline erosion.	2019	<ul style="list-style-type: none"> <li>• Identify impacted properties owners interested in participating in bank stabilization projects</li> <li>• Identify applicable grant programs as source of funding for projects</li> </ul>	<ul style="list-style-type: none"> <li>• 0.25 FTE</li> </ul>
	Extend the longevity of drinking water supply by reducing demand on groundwater.	2018	<ul style="list-style-type: none"> <li>• Develop incentives and or programs to promote water conservation throughout community</li> <li>• Develop resources and establish means to distribute the information to the general public</li> </ul>	<ul style="list-style-type: none"> <li>• 0.25 FTE</li> </ul>
	Reduce amount of material entering waste stream and explore more reuse options.	2017	<ul style="list-style-type: none"> <li>• Implement an organics recycling pilot program to divert largest component of trash (organics) to reusable product (compost)</li> <li>• Improve communications and resources regarding</li> </ul>	<ul style="list-style-type: none"> <li>• 0.25 FTE</li> </ul>

			composting to residents and businesses	
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DRAFT

# Natural Resources Inventory

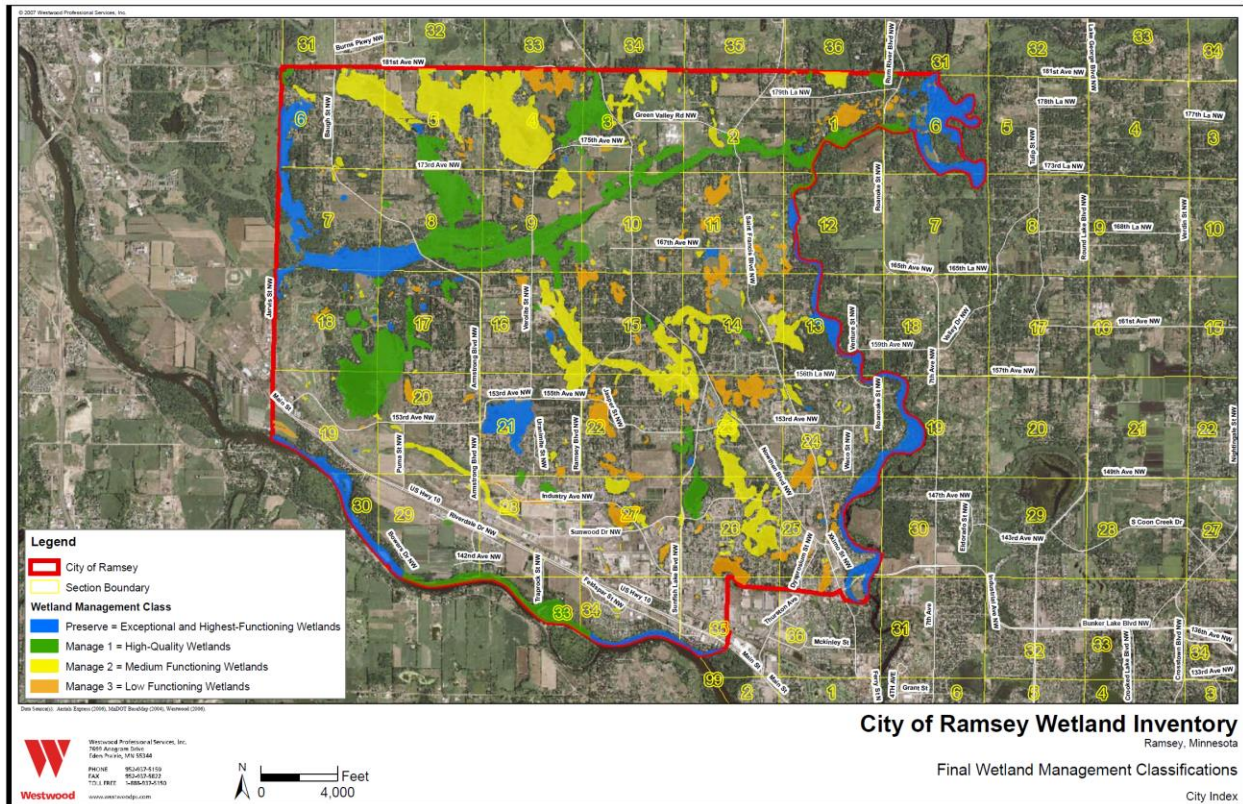
Figure 1: Natural Resources Inventory



Continued on next page.

## Wetland Inventory

Figure 2: Wetland Inventory



## Buildable Area Standards

In 2016, the City adopted new standards related to lot depth as well as instituted a wetland setback. The purpose of both of these standards was to ensure that newly created lots would actually have sufficient buildable and usable area to accommodate typical homeowner additions, such as a deck, small shed, a yard to play in, etc. Too often, homeowners attempting to make improvements to their property were discovering that there was not sufficient space to accommodate a new deck, a detached accessory building, or even to establish what they viewed as a usable backyard. This was creating a lot of frustration on their part and was also resulting in code violations as well. By implementing these new standards, it not only assured that each newly created lot would have buildable and/or usable space beyond the footprint of their home, but also helped to protect wetlands both from being filled in as well as from a water quality stand point (more filtration of runoff before entering the wetland).

Figure 3: Buildable Area and Wetland Setback Example

Put a drawing illustrating the narrative above.

## Pollinator Friendly Habitat

The City desires to encourage more pollinator friendly habitat for a multitude of reasons. First and foremost, Ramsey desires to ensure the sustainability of food supply and the food web, which relies heavily on pollinators. By promoting pollinator friendly practices and initiatives, the City not only helps foster the concept of local food through opportunities such as the local farmer's market, but also encourages the

protection, restoration, and/or establishment of pollinator habitat. Broadly speaking, pollinator habitat generally consists of native plants, shrubs and trees. Native species are generally more drought tolerant and require fewer inputs, such as water (irrigation) and chemicals (fertilizers and herbicides). Thus, by establishing more pollinator friendly habitat, the demand on groundwater for irrigation purposes should decrease. Furthermore, the reduced need for chemical application should lower the potential of groundwater and/or surface water contamination from inappropriate application of these products on the landscape.

Protecting, restoring, and/or establishing pollinator habitat also creates habitat for a variety of wildlife. Where feasible, conglomerations of pollinator friendly landscapes can become the basis for wildlife corridors and potentially even a greenway corridor.

### Mayors for Monarchs

The City has taken the Mayors for Monarchs Pledge to affirm its support not only for the iconic monarch butterfly, but also for pollinators in general, whose habitat continues to be fragmented and/or destroyed.

Figure 4: Mayors for Monarchs Background



## Mayors for Monarchs

Many people may not realize that Monarch butterflies play an important role in pollinating various plants, including many of our food crops. But their population has declined by more than 90% in the last two decades. That is why it is important to create special habitats for these pollinators in our yards and gardens. Recently, the City of Ramsey adopted a resolution to support pollinator initiatives throughout our community.



Ramsey Mayor, Sarah Strommen, launched the initiative by signing the Mayors for Monarchs Pledge to support Monarch butterflies in our community by implementing efforts to create, restore, and protect pollinator habitat and encouraging our citizens to do the same in their own backyards. The Mayors for Monarchs Pledge Signing event took place on June 6, 2017 at the Lake Itasca Trailhead in Ramsey.

At the pledge signing event Mayor Strommen designated a new “Monarch Trail” along the Lake Itasca Trail corridor. Together with the U.S. Fish and Wildlife Service, the City of Ramsey will be restoring six and a half acres of land along this trail to a natural habitat designed to support Monarch butterflies and other important pollinators.



Students from Youth First Community of Promise were there to jump-start the project by planting a small section of native plant plugs at this event, which was representative of the larger-scale planting that will happen this fall.

Fourth grade students from Ramsey Elementary also contributed to the event by creating 150 colorful butterflies, which served as the backdrop for this event and will also be on display in the Ramsey City Hall in honor of National Pollinator Week, June 19 - 25, 2017.

If you are interested in learning more about the Monarch butterfly, be sure to check out Ramsey Parks & Recreation’s Monarch Lab on July 25. Visit [www.cityoframsey.com/ParkEvents](http://www.cityoframsey.com/ParkEvents) for more information on how to register.

*City of* **RAMSEY**

Lake Itasca Monarch Trail  
Description will be added later.

Figure 5: Lake Itasca Monarch Trail

Figure 1



## Brookfield Trail Connection

Project area map goes here.

Background on this demonstration project.

## Shoreline Protection

The Mississippi River and Rum River experience significant erosion that poses a threat to individual properties and water quality as well. The Anoka Conservation District completed an inventory of the Mississippi River shoreline in December of 2015 to assess the severity of erosion. While a formal shoreline erosion inventory has not been completed on the Rum River, the Lower Rum River Watershed Management Organization (LRRWMO), along with City Staff, do conduct annual inspections to identify potential erosion concerns (as well as potential violations of the Wild and Scenic River Overlay District).

One of the primary impetuses for the formal inventory of the Mississippi River shoreline was to identify the most problematic properties and to use that data to solicit funding assistance.

*Figure 6: Mississippi River Shoreline Inventory*

To be added later.

*Figure 7: Rum River Shoreline Inventory*

To be added later.

*Figure 8: Park and Trail Planning Map*

To be added later.

## Acceptable Shoreline Stabilization Techniques

This section will be completed at a later date. Potential acceptable techniques.

- Vegetation
- Natural Barriers
- Rip Rap
- Wing Dams
- Other

## Groundwater Supply Preservation

Ramsey desires to protect the quantity and quality of our groundwater supply and aquifers. The City will accomplish this goal with two (2) broad strategies.

1. Programs, Incentives, and Rebates
2. Educational Initiatives

The remainder of this section will be updated with subsequent drafts providing more detail.

## Solid Waste Management

This section will be completed later. Ramsey has a recycling program that all residential properties must participate in.

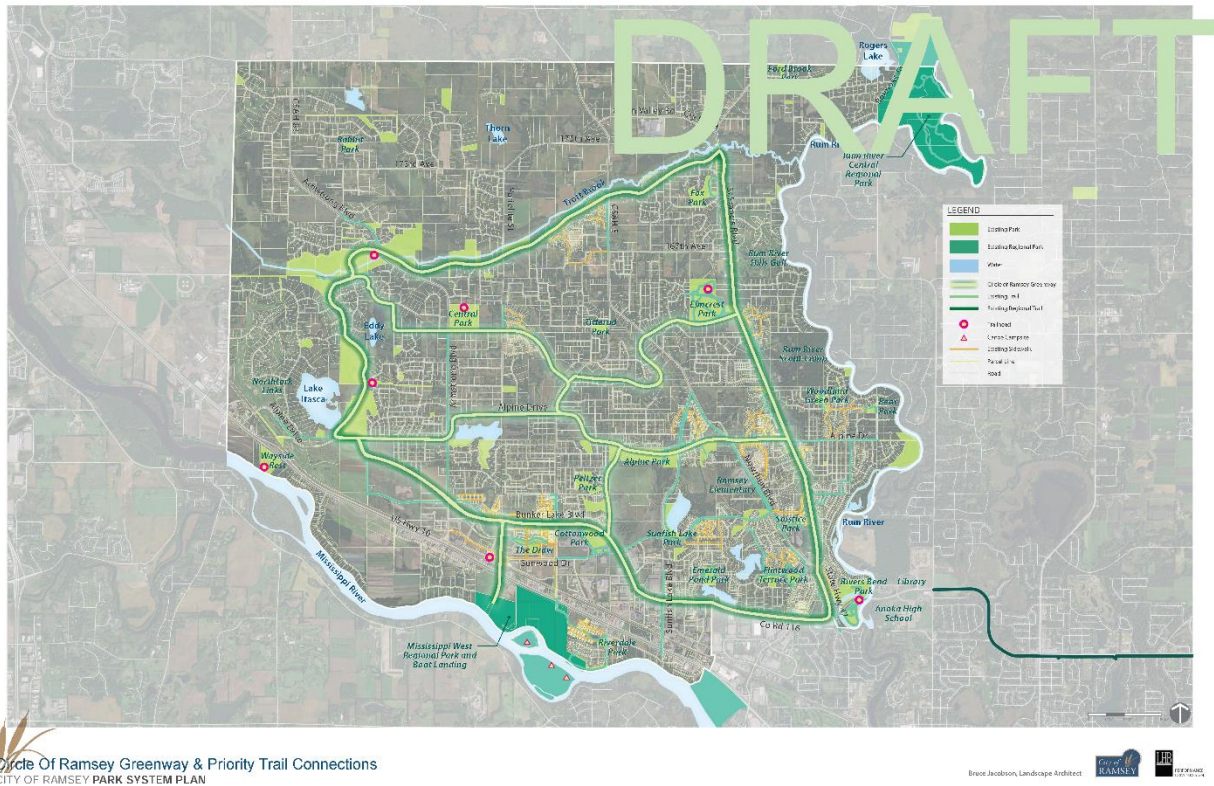
## Access to Solar

This section will be completed at a later date. This is a required section. Subtopics include, but are not limited to the following.

- Existing solar ordinances
- Updated solar ordinances
- Connexus Energy Solar Farms (x2 in Ramsey)

## Priority Greenway Corridors

Ramsey has developed a robust system of parks and trails. Trail connectivity is a key metric of success for our community. Ramsey desires to continue our tradition of prudent trail planning, connecting important recreational and ecological resources. In order to prioritize limited resources to accomplish this goal, Ramsey has prioritized important trail connections around the ‘Circle of Ramsey’ connecting our system of Community Parks.



## University of Minnesota Resilient Communities Project

During the 2017-2018 Academic School Year, Ramsey partnered with the University of Minnesota’s Resilient Communities Project (RCP) to advance resilience planning and goals. A summary of the projects evaluated during the academic year is found below. Project reports are available upon requests. Many of the recommendations from the RCP partnership are integrated into this document’s goals and implementation strategies.



**RESILIENT COMMUNITIES PROJECT**

**What is the Resilient Communities Project?**

The Resilient Communities Project (RCP) is a cross-disciplinary program at the University of Minnesota whose mission is to connect communities in Minnesota with University faculty and students to advance local sustainability and resilience through collaborative, course-based projects. Ultimately, RCP strives to

- build local capacity to address community sustainability and resilience issues
- train students to be future sustainability practitioners in their fields
- produce case studies, tool kits, and other resources that advance sustainability and resilience practice at the community scale

**How does RCP work?**

Each academic year, RCP selects a partner community (typically a city, county, or tribal government) through a competitive process. RCP collaborates with the selected community to identify between 5 and 30 projects—based on community identified environmental, social, and economic issues and needs—that will advance local sustainability and resilience. Then, RCP serves as a matchmaker, strategically connecting the community's projects with existing U of MN courses that can provide appropriate research or technical assistance.

Staff and stakeholders from our partner communities work closely with faculty and students to provide local knowledge and deeper insight into the issues, ensuring the work students undertake is relevant to the community context. Outcomes from each University course are documented in a final report and presentation at the conclusion of the semester. Project results are shared with the community, and disseminated through RCP's website for use by other communities.

**What are the benefits to students of collaborating with RCP?**

- Efficient access to high quality and well organized community projects
- Experience applying your knowledge and skills to real-world issues
- Opportunities to build your resume or portfolio for future job interviews
- Potential to meaningfully advance local sustainability and resilience
- Local and regional visibility and recognition for your work
- Opportunities to network with local government and industry professionals



**For more information:**

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Resilient Communities Project  
UNIVERSITY OF MINNESOTA  
Driven to Discover™



**RCP-RAMSEY PROJECTS, 2017-2018**



For the 2017-2018 academic year, RCP is collaborating with the City of Ramsey on 20 projects that will engage dozens of U of MN courses and hundreds of students to provide information, ideas, and new perspectives on locally identified sustainability and resilience issues.

**Community Identity and Engagement**

- Every Voice Matters  
*Resident Engagement and Volunteerism Plan*
- A Gathering Place for Community  
*Community Center Plan*
- Sustaining Our Legacy  
*Historic Town Hall Plan*
- Creating Community Identity  
*Branding and Marketing Plan*

**Land Use and Transportation**

- Highway 10: A Community and Regional Focal Point  
*U.S. Highway 10 Corridor Plan*
- Connecting Ramsey  
*City-Wide Greenway Plan*
- A Gathering Within: An Attraction Beyond  
*The CDR Development Plan Update*
- Paying for Future Infrastructure Needs  
*Development Fee Study*

**Environmental Stewardship**  
*Integrating Resources into Our Future*  
*Natural Resources Management and Outreach Plan*

**Preventing Flood Damage and Disaster**  
*Floodplain Communications Plan*

**Reduce Waste, Reuse Resources**  
*Organics Recycling Plan*

**Clean Water, Clean Soil**  
*Septic System Communications Plan*

**Will the Faucet Turn On?**  
*Water Conservation Toolkit*

**Restoring Our Edge**  
*Mississippi Shoreline Plan*

**Housing and Economic Development**  
*Encouraging Small Business Growth and Expansion*  
*Business Incubator Plan*

**Creating Housing Opportunities for All Generations**  
*Housing Plan*

**Creating Destination**  
*Recall Market Analysis*

**Administration**  
*Protecting Our Investments*  
*Asset Management Plan*

**Sustaining Our Team**  
*Employee Development Plan*

**Employee Benefits for the Next Generation**  
*Employee Benefits Plan*

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Photos by Steve Schwab, Adam Green, and Robert Collette.

RCP is a program of the University of Minnesota's Center for Urban and Regional Affairs (CURA).

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Printed on recycled and recyclable paper with at least 10 percent postconsumer waste material.

## Natural Resources Implementation

The Metropolitan Council's Regional Development Framework, ThriveMSP 2040, outlines roles for the Metropolitan Council and Ramsey for land use policy. Specific to land use policy, the Metropolitan Council has set a goal for the region to achieve Orderly and Efficient Land Use.

Ramsey Role - Natural Resource Protection	Metropolitan Council Role – Natural Resource Protection
<ul style="list-style-type: none"> <li>• Include goals, priorities, and natural resource conservation strategies in the local comprehensive plan to protect and enhance natural resources identified in regional and local natural resource inventories.</li> <li>• Conserve, protect, and interconnect open space to enhance livability, recreational opportunities and habitats.</li> <li>• Adopt and implement ordinances for the conservation and restoration of natural resources within the community.</li> <li>• Work with regional partners and regional park implementing agencies to identify, plan for, and acquire natural areas and resources prime for preservation and protection.</li> </ul>	<ul style="list-style-type: none"> <li>• Integrate natural resource protection strategies into metropolitan system plans for infrastructure investments.</li> <li>• Collaborate with local, regional, and state partners to expand the Regional Parks System, as appropriate, to conserve, maintain, and connect natural resources identified as of high quality or of regional importance, consistent with the 2040 Regional Parks Policy Plan.</li> <li>• Collaborate and convene with state, regional, and local partners to protect, maintain, and enhance natural resources protection.</li> <li>• Maintain an up-to-date regional Natural Resources Inventory and Assessment in</li> </ul>

<ul style="list-style-type: none"> <li>• Plan for aggregate resource extraction where viable deposits remain accessible, as required by the Metropolitan Land Planning Act.</li> <li>• Complete local natural resources inventories, prioritize areas to protect, and integrate natural resources conservation into local ordinances.</li> <li>• Conserve natural resources and protect vital natural areas when designing and constructing local infrastructure and planning land use patterns.</li> <li>• Encourage site planning that incorporates natural areas as part of site development and redevelopment.</li> </ul>	<p>partnership with the Department of Natural Resources.</p> <ul style="list-style-type: none"> <li>• Provide technical assistance and tools for natural resources protection, conservation, and restoration.</li> <li>• Promote the implementation of best management practices for habitat restoration and natural resource conservation.</li> </ul>
<p>Ramsey Role – Water Sustainability</p> <ul style="list-style-type: none"> <li>• Incorporate best management practices for stormwater management in planning processes and implement best management practices with development and redevelopment to control and treat stormwater.</li> <li>• Integrate water sustainability and protection of groundwater recharge areas into local plans. Consider how development, irrigation, reductions in infiltration and inflow, and increased surface runoff impact groundwater recharge and consider conservation strategies and best management practices to mitigate these impacts.</li> <li>• Adopt and implement best management practices for protection of natural resources, the quality and quantity of our water resources, and the preservation of water supply.</li> <li>• Explore alternative water supply sources to ensure adequate water resources beyond 2040.</li> <li>• Collaborate and convene with state, regional, and local partners to protect, maintain, and enhance natural resources protection and the protection of the quality and quantity of the region’s water resources and water supply.</li> <li>• Prepare and implement local water supply plans and source water (wellhead) protection ordinances, consistent with</li> </ul>	<p>Metropolitan Council Role – Water Sustainability</p> <ul style="list-style-type: none"> <li>• Collaborate and convene with state, regional, and local partners to protect, maintain, and enhance natural resources protection and the protection of the quality and quantity of the region’s water resources and water supply.</li> <li>• Work to maintain and improve the quality and availability of the region’s water resources to support habitat and ecosystem health while providing for recreational opportunities, all of which are critical elements of our region’s quality of life.</li> <li>• Update regional plans for water supply and pursue environmentally sound and cooperative water reuse practices, conservation initiatives, joint planning, and implementation efforts to maximize surface water infiltration to recharge groundwater supplies.</li> <li>• Support economic growth and development by promoting the wise use of water through a sustainable balance of surface and groundwater use, conservation, reuse, aquifer recharge and other practices.</li> <li>• Provide efficient and high-quality regional wastewater infrastructure and services.</li> <li>• Pursue wastewater reuse where economically feasible as a means to promote sustainable water resources.</li> <li>• Reduce the excess flow of clear water into the regional wastewater collection system (inflow and infiltration) to protect capacity for future growth.</li> </ul>

<p>Minnesota Rules part 4720, in all communities with municipal water supply.</p> <ul style="list-style-type: none"> <li>• Plan land use patterns that facilitate groundwater recharge and reuse, and reduce per capita water use to protect the region’s water supply.</li> <li>• Plan for sustainable water supply options and groundwater recharge areas to promote development in accordance with natural resources protection and efficient use of land.</li> <li>• Partner with other water supply providers to explore options to reduce dependence on groundwater.</li> <li>• Prepare and implement local surface water plans as required by Minnesota Rules Chapter 8410, the Metropolitan Land Planning Act, and the 2040 Water Resources Policy Plan.</li> <li>• Reduce the excess flow of clear water into the local wastewater collection system (inflow and infiltration). Participate in inflow / infiltration grant programs as available.</li> <li>• Incorporate current MPCA regulations (Minn. Rules Chapters 7080-7083) as part of a program for managing subsurface sewage treatment systems (SSTS) in the comprehensive plan and local ordinances, and implement the standards in issuing permits. Describe the conditions under which the installation of SSTS will be permitted and the areas not suitable for public or private systems.</li> <li>• Adopt and enforce ordinances related to stormwater management and erosion control.</li> <li>• Adopt and implement best management practices for abating, preventing, and reducing point and nonpoint source pollution.</li> <li>• Develop and adopt critical area plans and ordinances consistent with Executive Order 79-19 and Critical Area Program rules in all communities with affected lands in the Mississippi River Critical Area Corridor.</li> <li>• Integrate drinking water source protection into local land use decisions, particularly in Drinking Water Supply Management Areas.</li> </ul>	<ul style="list-style-type: none"> <li>• Require proper management of subsurface treatment systems, consistent with Minn. Rules Chapters 7080-7083, to minimize impacts on surface water, groundwater, and public health.</li> <li>• Assure adequate and high quality groundwater and surface water supplies to protect public health and support economic growth and development by promoting the wise use of water through a sustainable balance of surface water and groundwater use, conservation, reuse, aquifer recharge, and other practices.</li> <li>• Review watershed management plans in coordination with the Board of Water and Soil Resources.</li> <li>• Review local water plans in partnership with the watershed organizations that approve the local water plans.</li> <li>• Support implementation of volume reduction techniques such as infiltration or filtration for stormwater management.</li> <li>• Promote the implementation of best management practices for stormwater management.</li> <li>• Collaborate with the Minnesota Department of Natural Resources (DNR) to provide technical assistance to local governments in implementing the Mississippi River Critical Area Program, and coordinate with the DNR in review of those plans and ordinances.</li> </ul>
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<ul style="list-style-type: none"> <li>• Develop programs that encourage stormwater management, treatment, and infiltration.</li> </ul>	
<p>Ramsey Role – Resilience</p> <ul style="list-style-type: none"> <li>• Identify local measures that would result in reductions in water use, energy consumption, and greenhouse gas emissions.</li> <li>• Identify local mitigation and adaptation strategies and infrastructure resiliency plans to protect against potential negative impacts to local economies, local resources, and infrastructure systems that result from more frequent or severe weather events.</li> <li>• Implement compact development patterns and create more connected places to reduce auto-dependency and related generation of greenhouse gas emissions.</li> <li>• Address climate change mitigation and adaptation in locally meaningful ways in the local comprehensive plan.</li> <li>• Identify local measures that would result in reductions in water use, energy consumption, and emission of greenhouse gases.</li> <li>• Ensure that local comprehensive plans and ordinances protect and enable the development of solar resources, as required by the Metropolitan Land Planning Act, and consider the use of other alternative energy sources as part of the planning process.</li> <li>• Consider the development or use of community solar gardens (CSGs) by public and private entities to enable fuller and more economic use of the community’s solar resource, including participating as subscribers, assisting in marketing community solar garden opportunities for economic development, and providing sites for gardens to be developed.</li> <li>• Identify local measures to address impacts to local economies, local resources, and infrastructure systems as a result of more frequent or severe weather events.</li> <li>• Identify local initiatives as cost-saving measures that may, as a result, lower energy consumption, reduce the generation of greenhouse gas emissions, preserve water</li> </ul>	<p>Metropolitan Council Role – Resilience</p> <ul style="list-style-type: none"> <li>• Substantially reduce energy consumption at Council facilities, improve the efficiency of the Council’s vehicle fleets including Metro Transit buses, and provide information to the public and partners to lead by example.</li> <li>• With regional infrastructure, planning, and operations, increase efforts to reduce water use and energy consumption.</li> <li>• Identify and address potential vulnerabilities in regional systems as a result of increased frequency and severity of storms and heat waves. Maintain dikes, emergency generators, and response plans for Council facilities facing extreme weather.</li> <li>• Use the Council’s investments and planning authorities to contribute toward meeting statutory goals for reductions in the generation of regional greenhouse gas emissions.</li> <li>• Convene regional discussions about goals for climate change mitigation and adaptation.</li> <li>• Encourage the preparation of adaptation, mitigation, and resiliency responses to climate change as part of the comprehensive plan update.</li> <li>• Develop, collect, and disseminate information about climate change, including energy and climate data, GreenStep Cities best practices, and the next generation of the Regional Indicators data.</li> <li>• Work with the State of Minnesota on a greenhouse gas emissions inventory that informs regional discussion on emissions reduction.</li> <li>• Provide technical assistance and toolkit resources to communities in integrating climate change mitigation and adaptation strategies as part of local comprehensive plans.</li> <li>• Develop and strengthen partnerships with experts in climate change to better assist and inform local communities on how best</li> </ul>

<p>supply, reduce municipal waste, or increase participation in recycling programs.</p> <ul style="list-style-type: none"> <li>• Participate in programs that evaluate and share city practices and provide technical support, such as the GreenStep Cities program and the Regional Indicators Initiative.</li> </ul>	<p>to evaluate and develop local climate changes strategies.</p> <ul style="list-style-type: none"> <li>• Encourage communities to participate in regional programs which support efforts to inform, plan for, mitigate, adapt, and respond to climate change issues of local significance such as water conservation, stormwater infrastructure adaptation, greenhouse gas reduction, use of alternative energy sources, infrastructure planning, and hazard mitigation planning.</li> <li>• Provide technical references and resources for communities seeking to mitigate and adapt to climate change in their own facilities and in their communities. Examples of these resources include stormwater, wastewater, and water supply management practices, and transit and land use planning.</li> <li>• Provide, or collaborate with partners to provide, technical references, and resources for communities seeking to mitigate and adapt to climate change, in their own facilities and in their communities, including, but not limited to, stormwater, wastewater, and water supply management practices,</li> </ul>
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Action	Priority	Timeframe

This section to be completed at a later date.

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