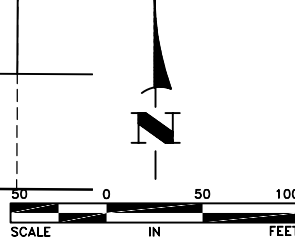


- NOTES:
- SEE SHEET L2 - L3 FOR PLANTING DETAILS & LANDSCAPE SPECIFICATIONS.
 - ALL LANDSCAPE AREAS TO RECEIVE 4" OF TOPSOIL.
 - CONTRACTOR TO PROVIDE LOAD TICKETS TO THE CITY FOR ALL TOPSOIL IMPORTED TO THE SITE PRIOR TO ANY LANDSCAPE WORK OCCURRING.
 - INSTALL SHRUBS IN INFILTRATION BASIN AREA WITH NO EDGER.
 - ALL PLANTING ISLANDS, AND SOD AND SEEDED TURF AREAS, TO BE IRRIGATED, SEE SHEET L3 FOR IRRIGATION SPECS.

- LEGEND
- SOD 10' STRIP BEHIND ALL CURBS
 - MNDOT NATIVE SEED MIX 33-262 INFILTRATION BASIN AREAS, AND STABILIZE WITH EROSION CONTROL BLANKET
 - RESTORE ALL DISTURBED AREAS WITH MNDOT LOW MAINTENANCE TURF MIX 25-131, AND STABILIZE WITH EROSION CONTROL BLANKET



May 15, 2023 - 9:56am K:\PRIVATE\2325.16\ENGINEERING\BASE DWG\HAA-BLIP-V-LANDSCAPE_rev021523.dwg

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.

Shane Nelson
SHANE M. NELSON, P.E.
 Date 3/8/23 Lic. No. 43381

DESIGNED BY: SMN
 DRAWN BY: SGJ
 CHECKED BY: TAE



Hakanson Anderson
 Civil Engineers and Land Surveyors
 3601 Thurston Ave., Anoka, Minnesota 55303
 763-427-5860 FAX 763-427-0520
 www.hakanson-anderson.com

BLIP V DEVELOPMENT PLANS

OVERALL LANDSCAPE PLAN
 CITY OF RAMSEY, MINNESOTA

SHEET L4 OF L5 SHEETS

1 - Sod

Created by: Chris Anderson
On: 05/22/2023 11:17 AM

These areas, at a minimum, shall also be sod, similar to the access points further west.

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

2 - Sod

Created by: Chris Anderson
On: 05/22/2023 11:43 AM

When this sidewalk work is done, need to make sure that sod is installed to match what's to the east.

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

3 - Species?

Created by: Chris Anderson
On: 05/24/2023 10:03 AM

Please add what the species is of these trees.

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

4 - Species

Created by: Chris Anderson
On: 05/26/2023 10:36 AM

Add species label or code.

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

FUTURE LANDSCAPE REQUIREMENTS

E-3 EMPLOYMENT DISTRICT			
TOTAL AREA = 485,868 SF			
TOTAL IMPERVIOUS AREA = 345,847 SF			
TOTAL PERVIOUS AREA (Includes stormwater infiltration basins) = 140,021 SF			
(IMPERVIOUS AREA/TOTAL AREA) X PERVIOUS AREA = 99,669 SF			
TREES & SHRUBS BASED ON CANOPY COVER	UNIT	REQUIRED	ON THIS PLAN
TREE & SHRUB CANOPY COVER	SF	99,669	101,466
TREE CANOPY SF COVER DISTRIBUTION			
OVERSTORY TREES (GREATER THAN OR EQUAL TO 25%)	SF	GREATER THEN 24,918	67,339
CONIFER TREES (GREATER THAN OR EQUAL TO 25%)	SF	GREATER THEN 24,918	25,935
ORNAMENTAL TREES (LESS THAN OR EQUAL TO 25%)	SF	LESS THEN 24,918	942
OVERSTORY TREES ADJACENT TO PUBLIC R.O.W.			
PUBLIC R.O.W. 615 LF / 35 LF	EA	18	21
PARKING LOT LANDSCAPING - 201 STALLS			
1 OVERSTORY TREE PER 10 STALLS	EA	21	52

1

3

CANOPY SUMMARY

QTY	CODE	ITEM	CANOPY COVER			
			WIDTH	AREA	UNIT	TOTAL
OVERSTORY TREES						
17	GT	Gleditsia triacanthos inermis 'Shademaster'	30-40'	481	SF	8,177
9	QM	Quercus macrocarpa	25-50'	3910	SF	35,190
26	CO	Celtis occidentalis	35-50'	922	SF	23,972
ORNAMENTAL TREES						
6	MP	Malus 'Prairifire'	20-20'	157	SF	942
EVERGREEN TREES						
13	PS	Pinus strobus	50-75'	1995	SF	25,935
SHRUBS						
290	RA	Rhus aromatoaca 'Gro-Low'	6-8'	25	SF	7,250
					TOTAL	101,466

2

PLANT SCHEDULE

QTY	CODE	SCIENTIFIC NAME/COMMON NAME	SIZE	ROOT	REMARKS
OVERSTORY TREES					
17	GT	Gleditsia triacanthos inermis 'Shademaster'	2.5" cal.	BB	straight trunk, single leader space 28-30' o.c.
		Shademaster honeylocust			
9	QM	Quercus macrocarpa	2.5" cal.	BB	straight trunk, single leader space 30' o.c.
		Bur Oak			
26	CO	Celtis occidentalis	2.5" cal.	BB	straight trunk, single leader space 28-30' o.c.
		Hackberry			
ORNAMENTAL TREES					
6	MP	Malus 'Prairifire'	2" cal.	BB	straight trunk, single leader space 20' o.c.
		Prairie Fire crabapple			
EVERGREEN TREES					
13	PS	Pinus strobus	2" cal.	BB	straight trunk, single leader space 16-18' o.c.
		White pine			
SHRUBS (24" MIN. SHRUB AT TIME OF INSTALLATION)					
290	RA	Rhus aromatoaca 'Gro-Low'	#5	cont.	space 4.5-5' o.c.
		Gro-Low fragrant sumac			

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Shane Nelson
SHANE M. NELSON, P.E.
 Date 3/8/23 Lic. No. 43381

DESIGNED BY: SMN
 DRAWN BY: SGJ
 CHECKED BY: TAE



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BLIP V DEVELOPMENT PLANS

OVERALL LANDSCAPE REQUIREMENTS
 CITY OF RAMSEY, MINNESOTA

SHEET L5 OF L5 SHEETS

1 - Future Landscaping

Created by: Chris Anderson
On: 05/24/2023 10:04 AM

This information will need to be submitted with the Building Permit(s) for buildings 6 & 7 in the future.

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

2 - Additional Shrub Species

Created by: Chris Anderson
On: 05/24/2023 10:12 AM

Strongly recommend replacing some of the gro-low sumac with other species, just to create a bit of species diversity.

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

3 - Overall BLIP Site Reforestation / Restitution

Created by: Chris Anderson
On: 05/24/2023 10:14 AM

All trees were removed from the BLIP land prior to any site improvements. Owner was informed that throughout the development of the entire BLIP site, reforestation and/or restitution was going to be required to comply with City Code. Staff has added a memo into the documents folder that outlines what will be required to meet those standards (since this is the last of the BLIP land).

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