

Climate:

- The growing season in Fargo is optimal for an operating Urban Farm

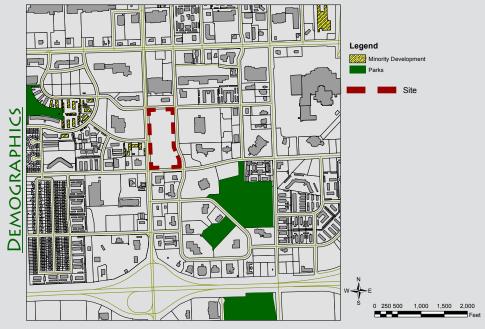
Park System:

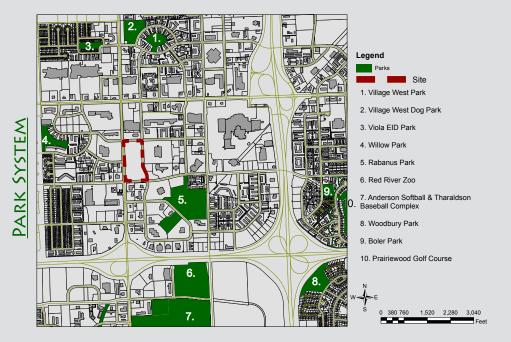
- A study of the surrounding park system shows that while there is a nearby "park", it actually holds very little recreational value.
- Adding this urban farm/ stormwater retention system will provide a recreational location for nearby residents.

Demographics:

- Apartment complexes surrounding the site can provide the majority of the population that will interact with the site.
- A nearby immigrant population will also contribute to the number of people that participate in using the site.

						Traditional Growing Season								
CLIMATE	Month Data	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Yearly Avg.
	Average Temp. (°F)	6	12	26	43	56	66	71	69	58	46	28	13	41
	Average High (°F)	15	21	34	54	69	77	83	81	70	57	36	21	52
	Average Low (°F)	-3	3	17	32	44	54	59	57	46	35	19	4	31
	Record High (°F)	52	66	78	100	98	100	106	106	102	93	74	57	106
	Record Low (°F)	-36	-34	-34	-7	20	30	36	33	19	5	-24	-32	-36
	Average Precip. (In.)	0.6	0.5	1	1.7	2.3	3.1	3.2	2.4	1.8	1.5	0.8	0.6	19.6
	Average Snowfall (In.)	8.6	5.9	6.7	3.1	0.1			-		0.7	5.8	7.1	38
	Avg. # of Cloudy Days	17	15	17	15	14	13	8	9	12	14	18	18	168
	Avg. # of Clear Days	7	6	5	6	7	6	10	10	9	9	6	6	88
	Avg. AM Humidity (%)	75	77	82	79	77	82	50	47	85	80	81	78	81
	Avg. PM Humidity (%)	70	71	67	51	45	53	59	56	49	51	65	73	57





Zoning:

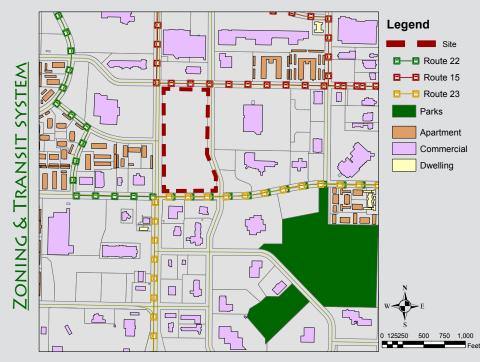
- Studying zoning maps provided insight in to the actual amount of residential properties that are located close to the site.

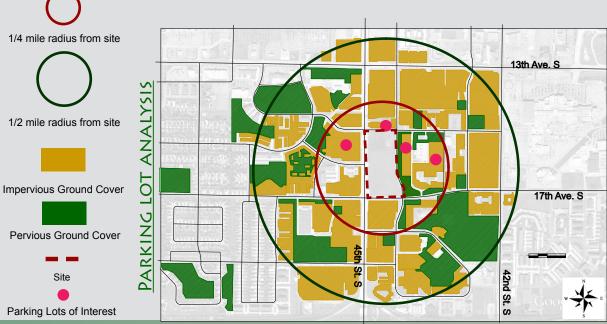
Transit System:

- Analyzing the surrounding streetscape provides insight as to where to design sound and viewing barriers as well as where the safest and most convenient location for a vehicular entrance to the site.
- Studying the transit system showed where users can potentially come from/ go to.

Stormwater:

- Examining the sites surrounding permeable and impermeable surfaces showed that providing an on-site retention area will provide a year-round amenity.





The impervious ground cover totalled 49 acres within a 1/4 mile of the site.

The total impervious ground cover up to a 1/2 mile from the site totalled 219 acres.

The parking lots of interest had a total of 19.09 acres or impervious ground cover

19.09 acres of impervious ground cover is equal to 75,706.65 ft³ of stormwater following a 1.15" storm event

Design Goals:

- Community Garden with rentable plots for public use
- Market garden
- Demonstration garden
- Storage for 75,000 ft³ of stormwater and ability to convert into skating rink during the winter.
- Shelter with restroom facilities and gathering area
- Pumpkin Patch
- Composting area



http://mcmg.umd.edu



http://www.kenmarkturf.com

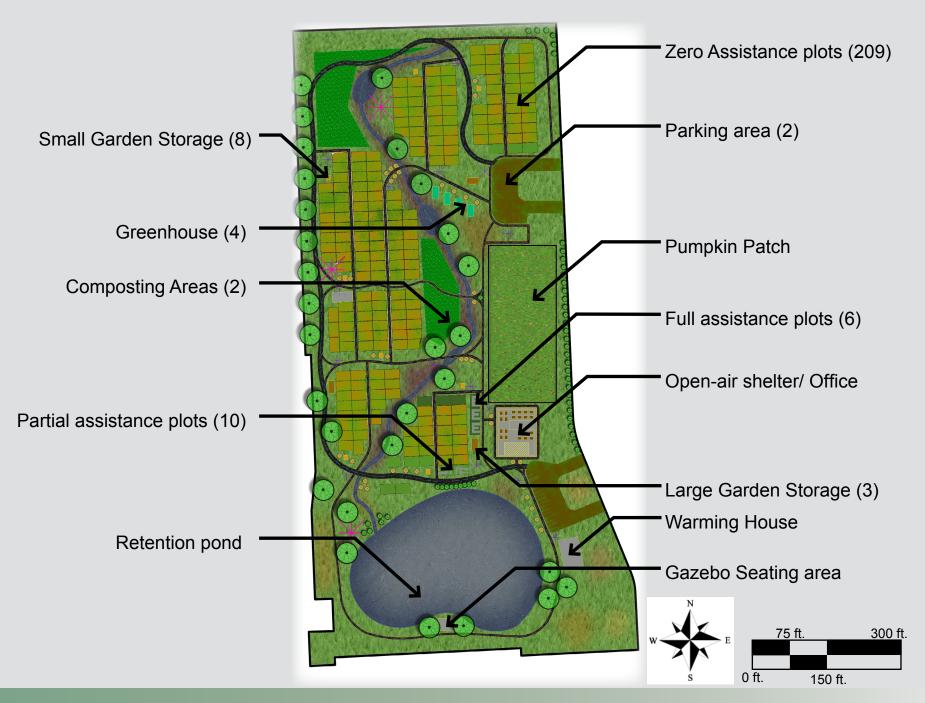


http://www.cityfarmer.info



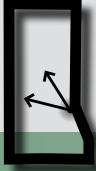
Della M. Huff via. http://www.pbase.com





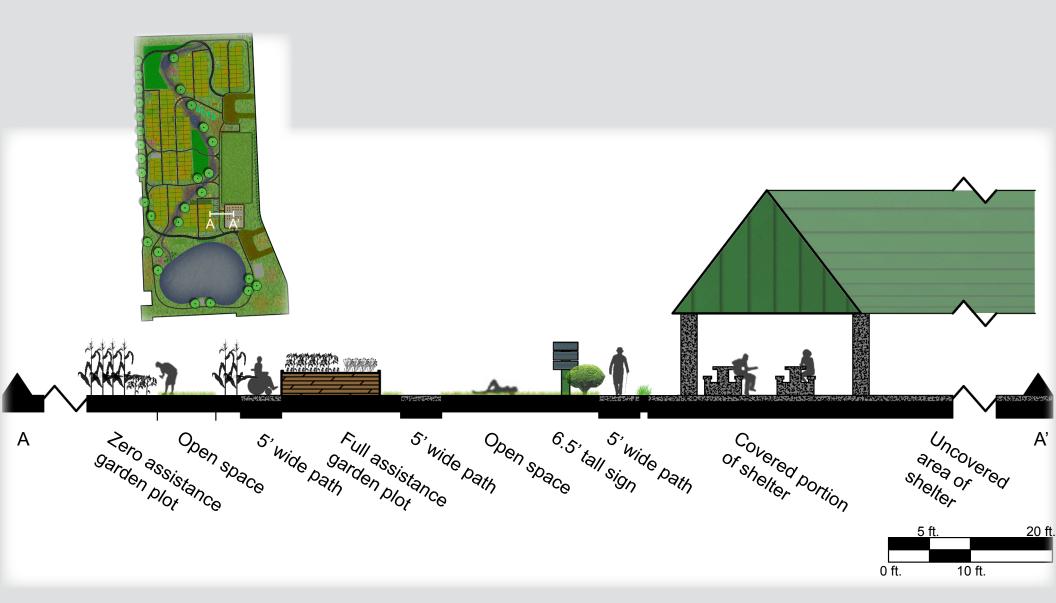
FULL ASSISTANCE PLOT Space for trellis or hanging plantings 3' tall planter box* PARTIAL ASSITANCE PLOT 3' tall planter box* 5' wide asphalt path* ZERO ASSITANCE PLOT 5' wide asphalt path* Space for trellis, hanging and in-ground plantings Space for trellis, hanging and in-ground plantings meets ADA requirements





Mulit-use open air shelter with "horseshoe" cut-out.









Winter view of retention pond

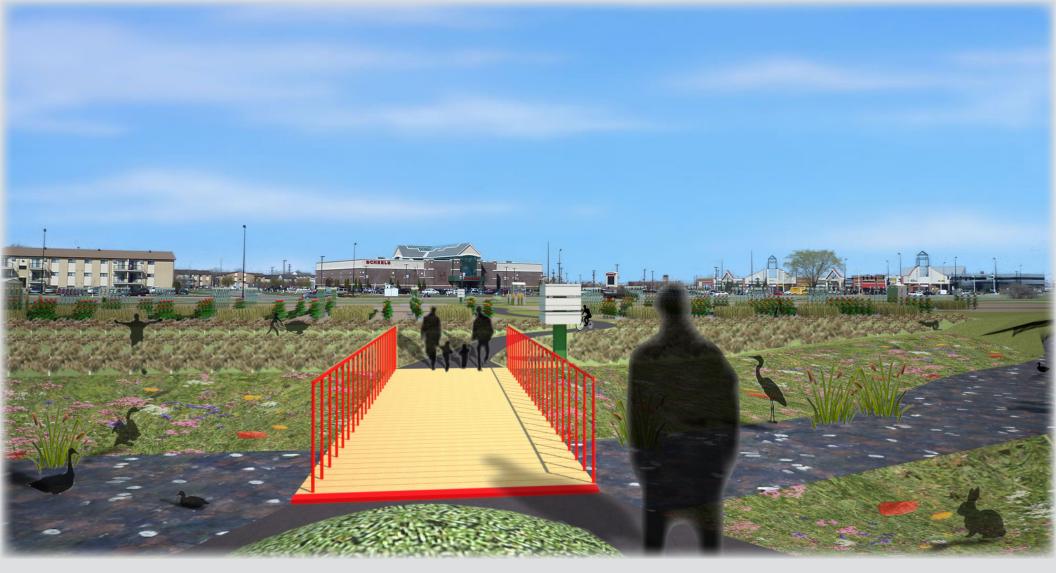




North zero assistance garden plots

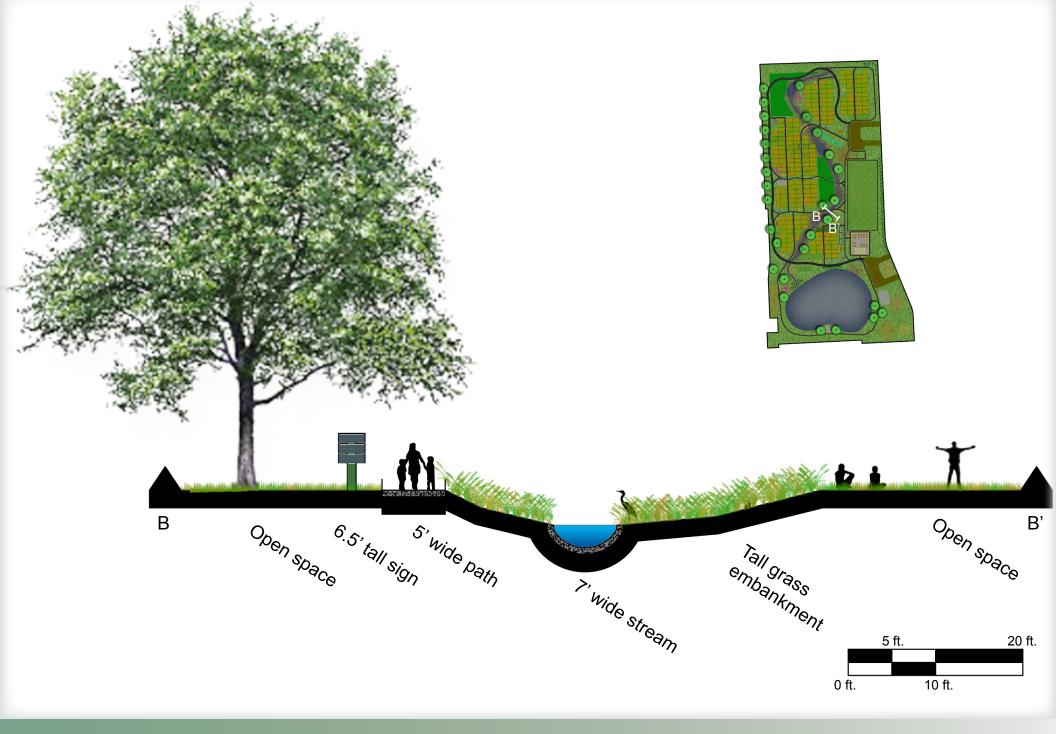


Parking lot, greenhouses, large storage structure



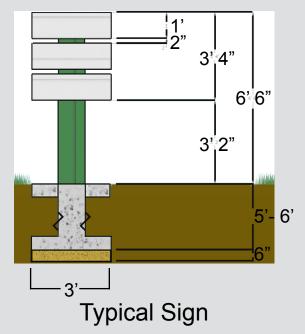


Bridge crossing stream





Pumpkin patch





Permeable Pavement



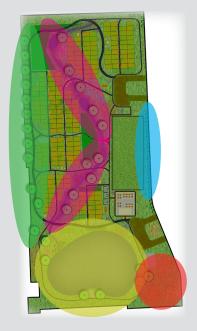
A-Frame Trellis



Wooden Planter Box



Fargo- Moorhead Visitor's Center



http://www.treesdirect.co.u Golden Weeping

Willow

Zone 1 (around lake):

- Golden Weeping Willow, Salix alba 'Tristis'
- Quaking Aspen, Populus trmuloides
- + Grass: Shorline Wildflower Mix*

Zone 2 (Along stream):

- Pagoda Dogwood, Cornus alternifolia 'Argentea'
- Eastern Cottonwood, Populus deltoides
- Cricket Bat Willow, Salix alba 'Caerulea'
- + Grass: Tall/wet wildflower mix*

Zone 3 (Along 45th St.):

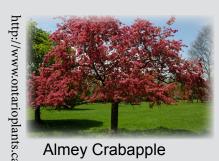
- Autumn Blaze Maple, Acer X freemanii
- Greenspire Linden, Tilia cordata 'Greenspire'
- + Grass: Mixed Height/Mesic Wildflower Mix*

Zone 4 (Along 44th St.):

- Almey Crabtree, Malus X 'Almey'
- Boxelder, Acer negundo
- + Grass Mixed Height/Mesic Wildflower Mix

Zone 5 (Southeastern Corner of Site):

+ Grass: Mixed Height/ Mesic Wildflower Mix



Almey Crabapple



Mixed Height/ Mesic Wildflower Mix



Pagoda Dogwood



Shoreline Wildflower Mix



Cricket Bat Willow

^{*} Seed mixes provided by http://www.prairieresto.com

