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Geology




## Wildlife <br> 

## Vegetation









## Site Hydrology





Existing Structures






## Transportation Linkages





## Solar Orientation


 radiational energy at the earth's surface in summer than in winter, which contributes
the large seasonal temperature changes and the general north south temperature

## Annual Precipitation


 Annual Temperatures





## Environmental Issues










## Initial Impressions









 The South West conner of the landifir receives
the most solar energy. Any bit structures
should b be oi en

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Project Overview



Project Statement



Design Process



List of Elements



Waste Equals Food











## Partial Food Web Illustration












Waste Showcase/Confrontation






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| GUCK <br> GOOSE <br> HAWK KILLDEER BAT |  |  |  |  |  |  |  |  |  |  | O |  |  |  |
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| MAMMALS |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| REQUIREMENTS |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| NUTRIENTS |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| REJ SPATAMATORS |  |  |  | - |  |  |  |  |  |  |  |  |  | - |



Layout Scheme 2



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Builidng to Road Section

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\begin{array}{ll}
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Perspectives
Waste is a Terrible Board 9 of 10 al 1 l d $D$ e $t$ a il s Thing to Waste


## What Could the Remediated Fargo Landfill Become?

| Cost Associated with Traditional Landfill Closure | Cost Associated with the |  |
| :---: | :---: | :---: |
|  | Implementation of This Project |  |
|  |  |  |
|  | It would be impossile to calulule exactly the cost of this emeediaiton strategy An educated guess estimates around sioo milion dollars. |  |
|  | This price tag would inclued |  |
|  |  |  |
|  | of a research and development building, the wetland construction, the vegetative materials, the millions of earthworms and other animals to be introduced, and the trail system. | Revenue Associated with the |
| The 'Old Landfill' is currently designated an EPA superfund site requiring cleanup. This will tack on at least an additional $\$ 10,000,000$. | It should be noted the City of Fargo is planning on the construction of號 anyway, so this would eliminate the neccessity of including it in the price tag. | Implementation of This Project |
|  |  | While this project will require an enormous amount of money to |
| all liners eventually fail. Using the Becker County landfill as precedent it will cost at least $\$ 500,000$ to remediate any and all groundwater pollution, as well as any gas leaks and soil problems. | landfill would begin to leak, the remediaiton process would be long complete. Therefore, if it leaked, it would just be a natural part of the Fargo groundwater flow and would pose no threat of pollution | The incinerator on site will be able to power 20,000 homes daily. The of electricity w selling methane |
| Revenue Associated with Traditional Landfill Closure |  | The new recycling program will divert al yard and food wastes to the Fargo Composting site. The size of the composting operation will <br>  |
|  |  | The landfill will no onger be a andifill It will become e reusable |
| The Fargo landifil currenty yarss between 7 milion oliaras anualy by seling the <br>  |  | adaptable to change. It could become anything. The city will be able sell the land to developers and tax it for years to come. This will add |
|  |  |  |
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Board 10 of 10 GO Fro M He re? Thing to Waste
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