



**A Proposal Presented to the BNRC**

**for \$60,000.00**

**For Revegetation of the National Site**

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NRDP  
BUTTE OFFICE

**By**

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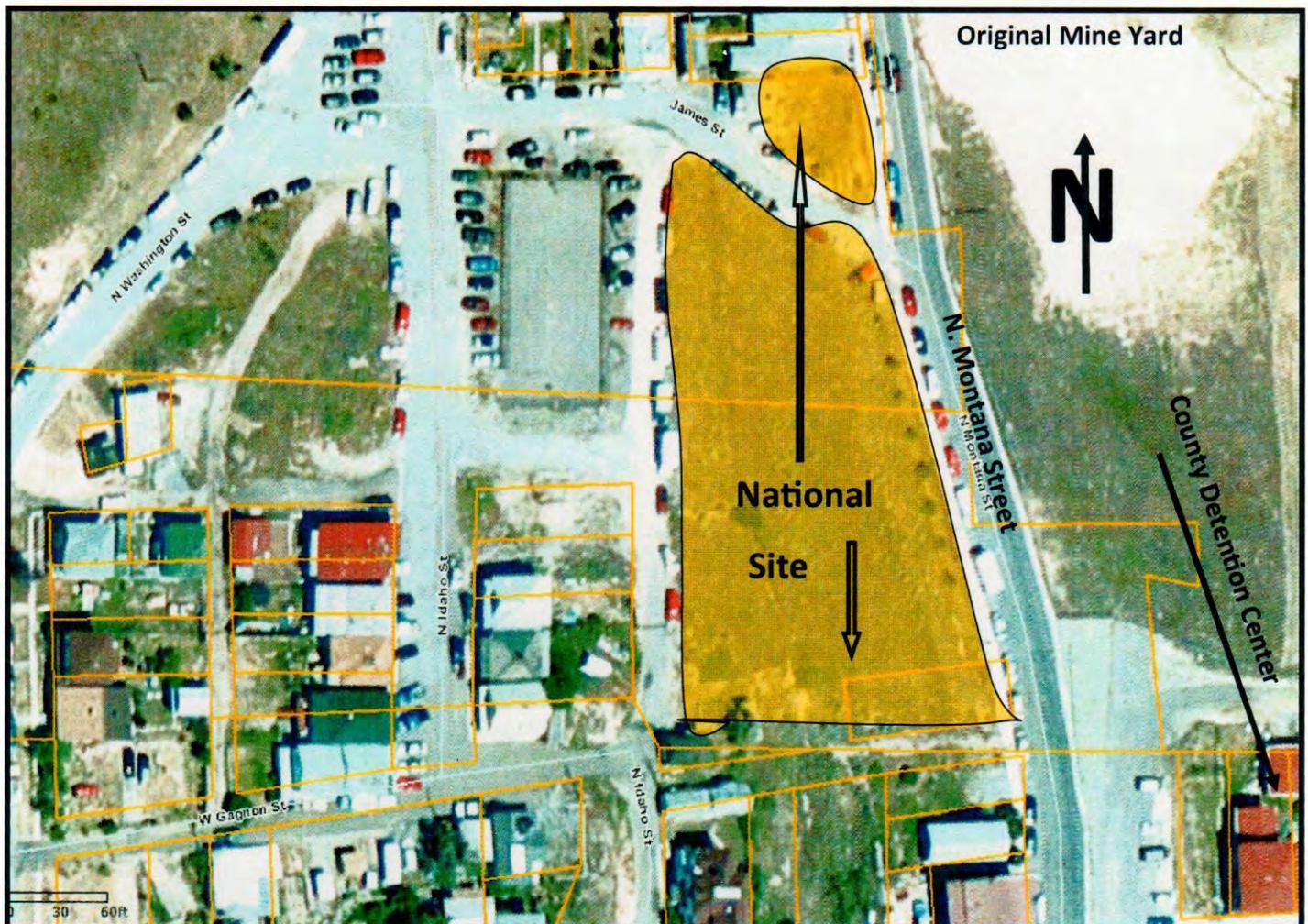
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## B. Project Summary:

This project will be a restoration of the 1.15 acre site to the ecological equivalent of what was in place before mining of the Butte Hill. Planting 1000 native aspen with additional native flowering shrubs. Implementing of plan will be in collaboration with Norman DeNeal who created the extremely successful aspen grove at the Cellar Dirt Dump.

## National Site Map

### General Area



# National Site Map

## Specific Area



**National Site: Total acreage = 1.15**

 BP -ARCO owned— 0.4 acre

 BSB owned — 0.75 acre

The National site has two owners: Butte-Silver Bow and BP-ARCO. Consequently, the following total budget of \$60,000 is broken down into two segments proportional to the acreage, namely \$39,130 for the BSB owned section of the site and \$20,870 for the BP-ARCO section of the property.

### **C. Goals and Objectives of project**

- Slow erosion and storm water runoff more effectively than present groundcover
- Be a focus point in my own community for the restoration effort of the Butte Area One
- Bringing together the various entities and individuals working towards a reclaimed Butte Area One

### **D. Benefits of planned project**

- Cost effectiveness (10% of other planting areas)
- Creation of self sustaining ecosystem in 8 yrs which if left to nature wouldn't occur for 50-100 yrs
- Visual progress in my own neighborhood for generations to come

### **E & F. Project Implementation and Schedule**

1. April 2017: Get waterline to project
2. April-October 2017: Eliminate weeds and grasses in planting areas
3. May 2017: Erect deer fence
4. June 2017: Install irrigation system
5. April 2018; Plant aspen trees, native shrubs and native flowering plants between trees
6. 2018-2026: Maintain planting of trees, shrubs and flowers
7. 2020: Evaluation of project by an independent evaluator
8. 2024-2026: Reduce water by 33% each year with deer fence and irrigation removed in the spring of 2027

### **G. Monitoring:**

There is a line item in the budget for an independent review of the project in its 3rd year.

## H. Project Budget:

### BUDGET PARTICULARS

The Water delivery system will be via a main water line that passes through the National site. The sprinkler system serviced by a 2 inch water line that will tap into the main water line. Sprinkler heads will be raised above the plant growth for even distribution.

Trees and shrubs will be purchased through the Montana DNRC in Missoula. Seed for flowering plants will be purchased from Montana seed vendors that specialize in native plants.

Labor will be mostly through one person with occasional help from part-time workers. Labor will be at \$16.08/hr, with part time help starting at \$13.61/hr. About 1,770 hour of work will be needed for this project over an eight year period. The primary worker will need to expend about 1,550 hours of work

<b>BUDGET SUMMARY</b>	
<b>Water delivery system</b>	<b>4,500</b>
<b>Trees/plant material</b>	<b>2,100</b>
<b>Deer fence</b>	<b>3,500</b>
<b>Water</b>	<b>15,000</b>
<b>Labor</b>	<b>28,400</b>
<b>Misc. materials</b>	<b>4,000</b>
<b>Evaluation</b>	<b><u>2,500</u></b>
	<b>60,000</b>