

**Montana Department
of
Fish, Wildlife & Parks**



1400 So. 19th
Bozeman, MT 59715

June 4, 1996

TO: Governor's Office, Glenn Marx, Room 204, State Capitol, P.O. 200801, Helena, MT 59620-0801
Environmental Quality Council, Capitol Building, Room 106, P.O. Box 201704, Helena, MT 59620
Dept. Environmental Quality, Metcalf Building, P.O. Box 200901, Helena, MT 59620-0901
Montana Fish, Wildlife & Parks

Director's Office
Parks Division
Fisheries Division
Wildlife Division
Lands Section
Design & Construction Bureau
Legal Unit

FWP Commissioners

MT Historical Society, State Historic Preservation Office, POB 201202 Helena, MT 59620-1202

MT State Parks Association, P.O. Box 699, Billings, MT 59103

MT State Library, 1515 E. Sixth Ave., POB 201800, Helena, MT 59620

James Jensen, Montana Environmental Information Center, POB 1184, Helena, MT 59624

Janet Ellis, Montana Audubon Council, POB 595, Helena, MT 59624

George Ochenski, POB 689, Helena, MT 59624

Jerry DiMarco, P.O. Box 1571, Bozeman, MT 59771

Wildlife Federation, P.O. Box 1175, Helena, MT 59624

Wayne Hurst, P.O. Box 728, Libby, MT 59923

Glen Hockett, 745 Doane Road, Bozeman, MT 59715

Mr. Donald Kerr, Program Director, MRAN, P.O. Box 383, 30 N. Last Chance Gulch, Helena, MT 59624

Representative, Bob Raney, 212 So. 6th St., Livingston, MT 59047

Ladies and Gentlemen:

The attached Environmental Assessment (EA) has been prepared for replacing existing latrines throughout FWP's administrative Region Three (south central Montana) fishing access sites and state parks, and is submitted for your consideration.

Comments will be accepted until 5:00 p.m., Friday, July 12, 1996. If you have questions, feel free to contact me at 994-4042. All comments should be sent to: Montana Fish, Wildlife and Parks, 1400 S. 19th, Bozeman, MT 59715. Thank you for your interest

Sincerely,

Stephen L. Lewis

Stephen L. Lewis
Regional Supervisor

Carlson

DRAFT

MEPA/NEPA/HB495 CHECKLIST

PART I. PROPOSED ACTION DESCRIPTION

1. **Type of Proposed State Action** State Park and Fishing Access Site Latrine Replacements

2. **Agency Authority for the Proposed Action** MT Fish, Wildlife & Parks has the authority to provide development for public recreation on Department lands (23-1-102 MCA)

3. **Name of Project** Region Three Latrine Replacements

4. **Name, Address and Phone Number of Project Sponsor (if other than the agency)**

Agency (see cover letter)

5. **If Applicable:**

Estimated Construction/Commencement Date August, 1996

Estimated Completion Date Ongoing

Current Status of Project Design (% complete) N/A

6. **Location Affected by Proposed Action (county, range and township)**

All state parks and fishing access sites (administered by FWP) in FWP administrative Region Three, including all or portions of the following counties: Beaverhead, Broadwater, Deer Lodge, Gallatin, Jefferson, Lewis & Clark, Madison, Park and Silver Bow. See attached list of sites with legal descriptions and region map.

7. **Project Size: Estimate the number of acres that would be directly affected that are currently:** Not Applicable

(a) **Developed:**
residential __ acres
industrial __ acres

(d) **Floodplain** __ acres

(b) **Open Space/Woodlands/
Recreation** __ acres

(e) **Productive:**
irrigated cropland __ acres
dry cropland __ acres
forestry __ acres
rangeland __ acres
other __ acres

(c) **Wetlands/Riparian
Areas** __ acres

8. **Map/site plan: attach an original 8 ½" x 11" or larger section of the most recent USGS 7.5' series topographic map showing the location and boundaries of the area that would be affected by the proposed action. A different map scale may be substituted if more appropriate or if required by agency rule. If available, a site plan should also be attached.**

(see attached Region 3 Fishing Access Site & State Park map)

9. Narrative Summary of the Proposed Action or Project including the Benefits and Purpose of the Proposed Action.

The proposed action is to replace existing, older style vault latrines with redesigned, newer vault latrines at all FWP state parks and fishing access sites that currently have latrine facilities, as funding becomes available.

Funding has been approved for the following latrine replacements in fiscal year 1996:

- Greycliff FAS - 3 latrine replacements (L.R.)
- Glen FAS - 1 L.R.
- Emigrant FAS - 1 L.R.
- Williams Bridge FAS - 1 L.R.
- Cardwell FAS - 1 L.R.
- Drouillard FAS - 1 L.R.
- Burnt Tree Hole FAS - 1 L.R.
- Paradise FAS - 1 L.R.

These projects will be completed during the summer of 1996.

Additional latrine replacement projects were submitted to the Director's Office for funding consideration for fiscal years 1998 and 1999 through the Executive Planning Process (EPP). Decisions on these projects will be made at a later date. They are as follows:

- Ennis FAS - 3 latrine replacements (L.R.)
- Maidenrock FAS - 3 L.R.
- Mallard's Rest FAS - 2 L.R.
- Missouri Headwaters State Park - 1 L.R.
- Lewis & Clark Caverns State Park - 1 L.R.

Additional latrine replacements (besides those listed above) will be made in the future as replacement becomes necessary (through normal wear and tear and vandalism) and funding is available.

Existing latrines are of a wood frame construction with fiberglass roofs, vaults and risers (see attached construction sketch). Replacement latrines are pre-cast concrete superstructures (with aggregate finish) and vaults and are disabled accessible if appropriate construction and landscaping guidelines are adhered to (see attached construction plans).

The replacement procedure consists of pumping septic effluent from existing latrine vaults, removal and disposal of wood frame structure and fiberglass riser, backfilling vault with sand or dirt brought into the site for this purpose and revegetation of disturbed site with a native grass seed mixture.

New latrines will generally be placed in the immediate vicinity (within 100') or in areas deemed suitable based on site characteristics and user patterns and according to site master plans. Excavation of 10-12 cubic yards of soil is necessary for each new 825 gallon concrete vault. Placement of new latrines in a particular site will likely reduce the number of existing latrines on site. Most new latrines will be designated as unisex facilities.

The purpose of the proposed action is to provide toilet facilities for park and site users in order to maintain a safe, sanitary and healthful environment where concentrated numbers of recreationists are attracted.

Aging latrine facilities are frequently criticized by park users concerned with odors and

unsanitary conditions and are difficult to keep clean due to rough, wood surfaces and unreachable corners and spaces. Odor venting on old latrines is poor or non-existent. Fiberglass vaults are failing due to age or vandalism and septic effluent is leaking from vaults. Old latrines are generally inaccessible to visitors with disabilities or impairments. Many visitors, because of these problems, avoid using existing, old latrines and continue to cause sanitary and litter problems that having latrines are supposed to solve.

New concrete latrines have been designed with various features that solve the problems listed above for the older style latrines. Correct directional siting activates an effective odor venting system. The concrete structure has a greater resistance to vandalism, is easier to clean and keep sanitary and is designed with current accessibility standards.

Environmental Review Criteria

Latrine replacement proposals shall be reviewed in accordance with the following Environmental Review Criteria.

1. Is the replacement latrine within 100 feet of existing latrine?
2. Is the replacement latrine more than 50 feet from surface water?
3. Is site to be excavated free of unique, rare, threatened, or endangered plant species?
4. Will any trees have to be removed to locate replacement latrine or provide solar exposure to the south in order to activate odor venting feature?
5. Will State Historic Preservation Office (SHPO) clearance be obtained before replacement latrine proposal is considered? Written documentation, in the form of SHPO letter of clearance, required before project commencement.
6. Has placement of replacement latrine considered site use patterns?
7. Has replacement latrine been placed in an inconspicuous location to minimize visibility from adjacent river or lake?
8. Has replacement latrine been placed in a relatively level area which will minimize erosion?
9. Will disturbed areas associated with excavation be reseeded with vegetation to minimize erosion and establishment of noxious weeds?

If the answer to any of the Environmental Review Criteria is no, an EA checklist will be completed for that particular latrine replacement proposal.

10. Listing of any other Local, State or Federal agency that has overlapping or additional jurisdiction.

(a) Permits:

<u>Agency Name</u>	<u>Permit</u>	<u>Date Filed/#</u>
County Engineer or County Sanitarian	Flood plain construction permit	3-4 weeks in advance of installation

County Engineer or
County Sanitarian

Flood plain sealed vault
septic system permit

3-4 weeks in advance of
installation

(b) Funding:

Agency Name _____ Funding Amount _____

FWP

Current cost for pre cast latrines is \$6000

(c) Other Overlapping or Additional Jurisdictional Responsibilities:

Agency Name _____ Type of Responsibility _____

State Historical Preservation
Office

Cultural clearance

11. List of Agencies Consulted During Preparation of the EA:

N/A

PART II. ENVIRONMENTAL REVIEW

P ICAL ENVIRONMENT

LAND RESOURCES	IMPACT*				Can Impact Be Mitigated*	Comment Index
	Unknown*	None	Minor*	Potentially Significant		
Will the proposed action result in:						
▶ a. Soil instability or changes in geologic substructure?		X				
b. Disruption, displacement, erosion, compaction, moisture loss, or over-covering of soil which would reduce productivity or fertility?		X				
▶ c. Destruction, covering or modification of any unique geologic or physical features?		X				
d. Changes in siltation, deposition or erosion patterns that may modify the channel of a river or stream or the bed or shore of a lake?		X				
e. Exposure of people or property to earthquakes, landslides, ground failure, or other natural hazard?		X				
f. Other <u>N/A</u>						

* include an attachment with a narrative explanation describing the scope and level of impact. If the impact is unknown, explain why the unknown impact has not or can not be evaluated.

Narrative Description and Evaluation of the Cumulative and Secondary Effects on Land Resources (Attach additional pages of narrative if needed):

P YSICAL ENVIRONMENT

R	IMPACT*				Can Impact Be Mitigated*	Comment Index
	Unknown*	None	Minor*	Potentially Significant		
Will the proposed action result in:						
▶ a. Emission of air pollutants or deterioration of ambient air quality? (also see 13 (c))		X				
b. Creation of objectionable odors?		X				
c. Alteration of air movement, moisture, or temperature patterns or any change in climate, either locally or regionally?		X				
d. Adverse effects on vegetation, including crops, due to increased emissions of pollutants?		X				
e. ♦For P-R/D-J projects, will the project result in any discharge which will conflict with federal or state air quality regs? (Also see 2a)		X				
f. Other <u>N/A</u>						

* include an attachment with a narrative explanation describing the scope and level of impact. If the impact is unknown, explain why the unknown impact has not or can not be evaluated.

Narrative Description and Evaluation of the Cumulative and Secondary Effects on Air Resources (Attach additional pages of narrative if needed):

Include a narrative explanation under Part III describing the scope and level of impact. If the impact is unknown, explain why the unknown impact has not or can not be evaluated.

- ▶ Include a narrative description addressing the items identified in 12.8.604-1a (ARM)
- ♦ Determine whether the described impact may result and respond on the checklist. Describe any minor or potentially significant impacts.
- ♦♦ Include a discussion about the issue in the EA narrative and include documentation if it will be useful.

PHYSICAL ENVIRONMENT

3. <u>WATER</u> Will the proposed action result in:	IMPACT [*]				Can Impact Be Mitigated [*]	Comr Inde
	Unknown [*]	None	Minor [*]	Potentially Significant		
▶ a. Discharge into surface water or any alteration of surface water quality including but not limited to temperature, dissolved oxygen or turbidity?		X				
b. Changes in drainage patterns or the rate and amount of surface runoff?		X				
c. Alteration of the course or magnitude of flood water or other flows?		X				
d. Changes in the amount of surface water in any water body or creation of a new water body?		X				
e. Exposure of people or property to water related hazards such as flooding?		X				
f. Changes in the quality of groundwater?		X				
g. Changes in the quantity of groundwater?		X				
h. Increase in risk of contamination of surface or groundwater?		X				
i. Effects on any existing water right or reservation?		X				
j. Effects on other water users as a result of any alteration in surface or groundwater quality?		X				
k. Effects on other users as a result of any alteration in surface or groundwater quantity?		X				
l. ♦♦For P-R/D-J, will the project affect a designated floodplain? (Also see 3c)		X				
m. ♦For P-R/D-J, will the project result in any discharge that will affect federal or state water quality regulations? (Also see 3a)		X				
n. Other: <u>N/A</u>						

* include an attachment with a narrative explanation describing the scope and level of impact. If the impact is unknown, explain why the unknown impact has not or can not be evaluated.

Narrative Description and Evaluation of the Cumulative and Secondary Effects on Water Resources (Attach additional pages of narrative if needed):

- ☆ Include a narrative explanation under Part III describing the scope and level of impact. If the impact is unknown, explain why the unknown impact has not or not be evaluated.
- ▶ Include a narrative description addressing the items identified in 12.8.604-1a (ARM)
- ♦ Determine whether the described impact may result and respond on the checklist. Describe any minor or potentially significant impacts.
- ♦♦ Include a discussion about the issue in the EA narrative and include documentation if it will be useful.

PHYSICAL ENVIRONMENT

4. <u>VEGETATION</u> the proposed action result in:	IMPACT*				Can Impact Be Mitigated ^o	Comment Index
	Unknown ^o	None	Minor ^o	Potentially Significant		
a. Changes in the diversity, productivity or abundance of plant species (including trees, shrubs, grass, crops, and aquatic plants)?			X		yes	see 4a. below
b. Alteration of a plant community?		X				
c. Adverse effects on any unique, rare, threatened, or endangered species?		X				
d. Reduction in acreage or productivity of any agricultural land?		X				
e. Establishment or spread of noxious weeds?			X		yes	see 4e. below
f. ♦♦For P-R/D-J, will the project affect wetlands, or prime and unique farmland?		X				
g. Other: <u>N/A</u>						

* include an attachment with a narrative explanation describing the scope and level of impact. If the impact is unknown, explain why the unknown impact has not or can not be evaluated.
 Narrative Description and Evaluation of the Cumulative and Secondary Effects on Vegetation Resources (Attach additional pages of narrative if needed):

4a. An approximately 8 foot by 8 foot area will be subject to excavation for the latrine vault. Plant species will be eliminated within the excavation area. In most cases, grass species will be involved. All areas surrounding the latrine, disturbed during installation, will be graded and seeded with native grasses.

Areas disturbed during the excavation for latrine vault placement become prone to the establishment of noxious weeds. Native grass seed is planted at the conclusion of each project to revegetate the site and provide competition to reduce the establishment of noxious weed species. In addition, ongoing weed control efforts (mechanical and chemical) will target disturbed areas until adequate ground cover has returned in place.

Include a narrative explanation under Part III describing the scope and level of impact. If the impact is unknown, explain why the unknown impact has not or can not be evaluated.

- ▶ Include a narrative description addressing the items identified in 12.8.604-1a (ARM)
- ♦ Determine whether the described impact may result and respond on the checklist. Describe any minor or potentially significant impacts.
- ♦♦ Include a discussion about the issue in the EA narrative and include documentation if it will be useful.

PHYSICAL ENVIRONMENT

▶ 5. <u>FISH/WILDLIFE</u>	IMPACT*				Can Impact Be Mitigated*	Comr Ind
	Will the proposed action result in:	Unknown*	None	Minor*		
a. Deterioration of critical fish or wildlife habitat?		X				
b. Changes in the diversity or abundance of game animals or bird species?		X				
c. Changes in the diversity or abundance of nongame species?		X				
d. Introduction of new species into an area?		X				
e. Creation of a barrier to the migration or movement of animals?		X				
f. Adverse effects on any unique, rare, threatened, or endangered species?		X				
g. Increase in conditions that stress wildlife populations or limit abundance (including harassment, legal or illegal harvest or other human activity)?		X				
h. ♦♦For P-R/D-J, will the project be performed in any area in which T&E species are present, and will the project affect any T&E species or their habitat? (Also see 5f)		X				
i. ♦For P-R/D-J, will the project introduce or export any species not presently or historically occurring in the receiving location? (Also see 5d)		X				
j. Other: <u>N/A</u>						

* include an attachment with a narrative explanation describing the scope and level of impact. If the impact is unknown, explain why the unknown impact has not or can not be evaluated.

Narrative Description and Evaluation of the Cumulative and Secondary Effects on Fish/Wildlife Resources (Attach additional pages of narrative if needed):

HUMAN ENVIRONMENT

6. <u>NOISE/ELECTRICAL EFFECTS</u>	IMPACT*				Can Impact Be Mitigated*	Comment Index
	Will the proposed action result in:	Unknown*	None	Minor*		
a. Increases in existing noise levels?			X			see 6a. below
b. Exposure of people to serve or nuisance noise levels?		X				
c. Creation of electrostatic or electromagnetic effects that could be detrimental to human health or property?		X				
d. Interference with radio or television reception and operation?		X				
e. Other: <u>N/A</u>						

* include an attachment with a narrative explanation describing the scope and level of impact. If the impact is unknown, explain why the unknown impact has not or can not be evaluated.

Narrative Description and Evaluation of the Cumulative and Secondary Effects on Noise/Electrical Resources (Attach additional pages of narrative if needed):

6a. Temporary increases in noise levels can be expected during the excavation and placement of latrine due to the heavy equipment (i.e., backhoe, hoist truck, etc.) used to complete the project. The construction period is normally of a short (2 to 4 hour) duration.

☆ Include a narrative explanation under Part III describing the scope and level of impact. If the impact is unknown, explain why the unknown impact has not or not be evaluated.

▶ Include a narrative description addressing the items identified in 12.8.604-1a (ARM)

◆ Determine whether the described impact may result and respond on the checklist. Describe any minor or potentially significant impacts.

◆◆ Include a discussion about the issue in the EA narrative and include documentation if it will be useful.

HUMAN ENVIRONMENT

7. <u>LAND USE</u> the proposed action result in:	IMPACT*				Can Impact Be Mitigated*	Comment Index
	Unknown*	None	Minor*	Potentially Significant		
a. Alteration of or interference with the productivity or profitability of the existing land use of an area?		X				
b. Conflicted with a designated natural area or area of unusual scientific or educational importance?		X				
c. Conflict with any existing land use whose presence would constrain or potentially prohibit the proposed action?		X				
d. Adverse effects on or relocation of residences?		X				
e. Other: <u>N/A</u>						

* include an attachment with a narrative explanation describing the scope and level of impact. If the impact is unknown, explain why the unknown impact has not or can not be evaluated.

Narrative Description and Evaluation of the Cumulative and Secondary Effects on Land Resources (Attach additional pages of narrative if needed):

HUMAN ENVIRONMENT

8. <u>RISK/HEALTH HAZARDS</u> Will the proposed action result in:	IMPACT*				Can Impact Be Mitigated*	Comment Index
	Unknown*	None	Minor*	Potentially Significant		
a. Risk of an explosion or release of hazardous substances (including, but not limited to oil, pesticides, chemicals, or radiation) in the event of an accident or other forms of disturbance?		X				
b. Affect an existing emergency response or emergency evacuation plan or create a need for a new plan?		X				
c. Creation of any human health hazard or potential hazard?		X				
d. ♦For P-R/D-J, will any chemical toxicants be used? (Also see 8a)		X				
e. Other: <u>N/A</u>						

* include an attachment with a narrative explanation describing the scope and level of impact. If the impact is unknown, explain why the unknown impact has not or can not be evaluated.

Narrative Description and Evaluation of the Cumulative and Secondary Effects on Risk/Health Hazards (Attach additional pages of narrative if needed):

✧ Include a narrative explanation under Part III describing the scope and level of impact. If the impact is unknown, explain why the unknown impact has not or can not be evaluated.

◆ Include a narrative description addressing the items identified in 12.8.604-1a (ARM)

◆ Determine whether the described impact may result and respond on the checklist. Describe any minor or potentially significant impacts.

◆◆ Include a discussion about the issue in the EA narrative and include documentation if it will be useful.

HUMAN ENVIRONMENT

9. <u>COMMUNITY IMPACT</u>	IMPACT [*]				Can Impact Be Mitigated [*]	Comm Inde
	Unknown [*]	None	Minor [*]	Potentially Significant		
Will the proposed action result in:						
a. Alteration of the location, distribution, density, or growth rate of the human population of an area?		X				
b. Alteration of the social structure of a community?		X				
c. Alteration of the level or distribution of employment or community or personal income?		X				
d. Changes in industrial or commercial activity?		X				
e. Increased traffic hazards or effects on existing transportation facilities or patterns of movement of people and goods?		X				
f. Other: <u>N/A</u>						

* include an attachment with a narrative explanation describing the scope and level of impact. If the impact is unknown, explain why the unknown impact has not or can not be evaluation.

Narrative Description and Evaluation of the Cumulative and Secondary Effects on Community Resources (Attach additional pages of narrative if needed):

HUMAN ENVIRONMENT

10. <u>PUBLIC SERVICES/TAXES/UTILITIES</u>	IMPACT [*]				Can Impact Be Mitigated [*]	Comment Index
	Unknown [*]	None	Minor [*]	Potentially Significant		
Will the proposed action result in:						
a. Will the proposed action have an effect upon or result in a need for new or altered governmental services in any of the following areas: fire or police protection, schools, parks/recreational facilities, roads or other public maintenance, water supply, sewer or septic systems, solid waste disposal, health, or other governmental services? If any, specify:		X				
b. Will the proposed action have an effect upon the local or state tax base and revenues?		X				
c. Will the proposed action result in a need for new facilities or substantial alterations of any of the following utilities: electric power, natural gas, other fuel supply or distribution systems, or communications?		X				
d. Will the proposed action result in increased used of any energy source?		X				
▶ e. Define projected revenue sources						see 10e. below
▶ f. Define projected maintenance costs.						see 10f. next page
g. Other: <u>N/A</u>						

* include an attachment with a narrative explanation describing the scope and level of impact. If the impact is unknown, explain why the unknown impact has not or can not be evaluation.

Narrative Description and Evaluation of the Cumulative and Secondary Effects on Public Services/Taxes/Utilities (Attach additional pages of narrative if needed):

10e. A variety of revenue sources may be used to provide replacement latrines including state, federal and private sources. Examples would include Accommodations Tax, Coal Tax, Fishing License dollars, Dingell/Johnson federal funds, etc.

☆ Include a narrative explanation under Part III describing the scope and level of impact. If the impact is unknown, explain why the unknown impact has not or c not be evaluated.

▶ Include a narrative description addressing the items identified in 12.8.604-1a (ARM)

◆ Determine whether the described impact may result and respond on the checklist. Describe any minor or potentially significant impacts.

◆◆ Include a discussion about the issue in the EA narrative and include documentation if it will be useful.

10 f. Latrine maintenance costs average \$300 per year depending on distance personnel have to travel to service a particular unit and vandalism levels. FWP operations budgets are used to maintain and clean latrines.

Include a narrative explanation under Part III describing the scope and level of impact. If the impact is unknown, explain why the unknown impact has not or can not be evaluated.

▶ Include a narrative description addressing the items identified in 12.8.604-1a (ARM)

◆ Determine whether the described impact may result and respond on the checklist. Describe any minor or potentially significant impacts.

◆◆ Include a discussion about the issue in the EA narrative and include documentation if it will be useful.

HUMAN ENVIRONMENT

▶ 11. <u>AESTHETICS/RECREATION</u> Will the proposed action result in:	IMPACT [☆]				Can Impact Be Mitigated [☆]	Comment Index
	Unknown [☆]	None	Minor [☆]	Potentially Significant		
a. Alteration of any scenic vista or creation of an aesthetically offensive site or effect that is open to public view?		X				
b. Alteration of the aesthetic character of a community or neighborhood?		X				
▶ c. Alteration of the quality or quantity of recreational/tourism opportunities and settings? (Attach Tourism Report)			X			see 11c. below
d. ♦♦For P-R/D-J, will any designated or proposed wild or scenic rivers, trails or wilderness areas be impacted? (Also see 11a, 11c)		X				
e. Other: <u> N/A </u>						

* include an attachment with a narrative explanation describing the scope and level of impact. If the impact is unknown, explain why the unknown impact has not or can not be evaluation.

Narrative Description and Evaluation of the Cumulative and Secondary Effects on Aesthetics/Recreation (Attach additional pages of narrative if needed):

11c. Replacement of old style latrines with new positively alters recreational tourism opportunities and settings as they are cleaner, more sanitary and less odiferous.

HUMAN ENVIRONMENT

12. <u>CULTURAL/HISTORICAL RESOURCES</u> Will the proposed action result in:	IMPACT [☆]				Can Impact Be Mitigated [☆]	Comment Index
	Unknown [☆]	None	Minor [☆]	Potentially Significant		
▶ a. Destruction or alteration of any site, structure or object of prehistoric historic, or paleontological importance?		X				see 12a. below
b. Physical change that would affect unique cultural values?		X				
c. Effects on existing religious or sacred uses of a site or area?		X				
d. ♦♦For P-R/D-J, will the project affect historic or cultural resources? Attach SHPO letter of clearance. (Also see 12.a)		X				
e. Other: <u> N/A </u>						

* include an attachment with a narrative explanation describing the scope and level of impact. If the impact is unknown, explain why the unknown impact has not or can not be evaluation.

Narrative Description and Evaluation of the Cumulative and Secondary Effects on Cultural/Historical Resources (Attach additional pages of narrative if needed):

12a. SHPO clearance is required for every latrine replacement proposal. Many sites have been surveyed for cultural/historical resources and clearance can be granted based on the results of these examinations. Other sites must be surveyed to determine the existence of cultural/historical resources. In all cases, replacement latrines will not be sited until SHPO has authorized the location. See attached clearance letter for pending latrine replacements.

☆ Include a narrative explanation under Part III describing the scope and level of impact. If the impact is unknown, explain why the unknown impact has not or not be evaluated.

▶ Include a narrative description addressing the items identified in 12.8.604-1a (ARM)

♦ Determine whether the described impact may result and respond on the checklist. Describe any minor or potentially significant impacts.

♦♦ Include a discussion about the issue in the EA narrative and include documentation if it will be useful.

HUMAN ENVIRONMENT

13. SUMMARY EVALUATION OF SIGNIFICANCE Will the proposed action, considered as a whole:	IMPACT*				Can Impact Be Mitigated*	Comment Index
	Unknown*	None	Minor*	Potentially Significant		
a. Have impacts that are individually limited, but cumulatively considerable? (A project or program may result in impacts on two or more separate resources which create a significant effect when considered together or in total.)		X				
b. Involve potential risks or adverse effects which are uncertain but extremely hazardous if they were to occur?		X				
c. Potentially conflict with the substantive requirements of any local, state, or federal law, regulation, standard or formal plan?		X				
d. Establish a precedent or likelihood that future actions with significant environmental impacts will be proposed?		X				
e. Generate substantial debate or controversy about the nature of the impacts that would be created?		X				
f. ♦For P-R/D-J, is the project expected to have organized opposition or generate substantial public controversy? (Also see 13e)		X				
g. ♦♦For P-R/D-J, list any federal or state permits required.		X				

* include an attachment with a narrative explanation describing the scope and level of impact. If the impact is unknown, explain why the unknown impact has not or can not be evaluated.

Include a narrative explanation under Part III describing the scope and level of impact. If the impact is unknown, explain why the unknown impact has not or can not be evaluated.

▶ Include a narrative description addressing the items identified in 12.8.604-1a (ARM)

♦ Determine whether the described impact may result and respond on the checklist. Describe any minor or potentially significant impacts.

♦♦ Include a discussion about the issue in the EA narrative and include documentation if it will be useful.

2. Description and analysis of reasonable alternatives (including the no action alternative) to the proposed action whenever alternatives are reasonably available and prudent to consider and a discussion of how the alternatives would be implemented:

Alternative I (No Action) - under this alternative, existing latrines would continue to be utilized. Health, sanitation, clean and maintenance issues described under the Proposed Action would be ignored. Replacements would continue necessary as existing latrines age and fall apart or components (vaults) fail, and as units are destroyed by vandals or accidents.

3. Evaluation and listing of mitigation, stipulation, or other control measures enforceable by the agency or another government agency:

Mitigation measures are listed and discussed in the checklist portion of the EA.

4. Based on the significance criteria evaluated in this EA, is an EIS required? YES NO If an EIS is not required, explain why the EA is the appropriate level of analysis for this proposed action:

The proposed action is to replace existing latrines which will result in few, if any impacts to the natural or human environment at fishing access sites and state parks. Due to the insignificant impacts of this proposed action an EA is the appropriate level of analysis and an EIS is not required.

5. Describe the level of public involvement for this project if any and, given the complexity and the seriousness of the environmental issues associated with the proposed action, is the level of public involvement appropriate under the circumstances?

The appropriate level of public involvement for this proposed action is the distribution of the EA to FWP's standard distribution list and publication of legal notices publicizing the availability of the EA in the Bozeman Daily Chronicle, Helena Independent Record and the Butte Montana Standard. Comment duration will be stated in the legal notices.

6. Duration of comment period if any:

30 days, June 10, 1996 through July 12, 1996.

7. Name, title, address and phone number of the Person(s) Responsible for Preparing the EA:

Jerry Walker, Regional Park Manager
MFWP, Parks Division
1400 S. 19th Ave.
Bozeman, MT 59715
(406) 994-4042

PART III. NARRATIVE EVALUATION AND COMMENT

**Region Three
Fish, Wildlife & Parks
Fishing Access Sites and State Parks**

BEAVERHEAD COUNTY

Fishing Access Sites (FAS) & State Parks (SP)	Legal Description - Waterbody	Acreages	Sites with Latrine(s)
Bannack SP	T07 & 08S R11 & 12W - Grasshopper Creek	1,196.98	X
Beaverhead Rock SP	T05S R07W - Beaverhead River	71	
Browns Lake FAS	T03 & 04S R10W - lake	73.78	X
Clarks Lookout SP	T07S R08W - Beaverhead River	7.23	
Corrals FAS	T08S R09W - Beaverhead River	2.5	
Dewey FAS	T01S R10W - Big Hole River	4.39	
Fish Trap Creek FAS also in Deer Lodge County	T01N R13W - Big Hole River	90.67	X
Glen FAS	T04S R09W - Big Hole River	7.85	X
Greenwood Bottoms FAS	T01S R10W - Big Hole River	6.13	
Henneberry FAS	T09S R10W - Beaverhead River	600.4	X
High Bridge FAS	T09S R10W - Beaverhead River	13	
Kalsta Bridge FAS	T03S R09W - Big Hole River	5.883	
Maidenrock FAS	T02S R09W - Big Hole River	200.164	X
Poindexter Slough FAS	T07S R09W - Beaverhead River	395.15	
Salmon Fly FAS	T02S R09W - Big Hole River	12.267	X

Broadwater County

Fishing Access Site (FAS) & State Parks (SP)	Legal Description - Waterbody	Acreage	Sites with Latrine(s)
Deepdale FAS	T06N R02E - Missouri River	16.14	X
Toston FAS	T05N R02E - Missouri River	36.62	

Gallatin County

Fishing Access Sites (FAS) & State Parks (SP)	Legal Description - Waterbody	Acreage	Sites with Latrine(s)
Axtell Bridge FAS	T02S R04E - Gallatin River	4.256	X
Black's Ford FAS	T02S R02E - Madison River	2	X
Blackbird FAS	T02N R02E - Madison River	22	
Bozeman Pond FAS	T02S R05E - pond	24.22	X
Cameron Bridge FAS	T01S R04E - Gallatin River	145.687	X
Cherry River FAS	T01S R05E - E. Gallatin River	75.957	
Cobblestone FAS	T01S R02E - Madison River	190.28	X
Drouillard FAS	T02N R01E - Jefferson River	40.522	X
Erwin Bridge FAS	T01S R04E - W. Gallatin River	71.74	
Fairweather FAS	T03N R02E - Missouri River	725	
Four Corners FAS	T01N R03E - Gallatin River	9.385	
Gallatin Forks FAS	T02N R03E - Gallatin River	269.3	
Greycliff FAS	T01 & 02S R02E - Madison River	497.096	X
Kirk Wildlife Refuge FAS	T04S R04E - Gallatin River	17.45	
Madison Buffalo Jump SP	T01N R02E - N/A	638.4	X
Milwaukee FAS	T02N R02E - Madison River	7.34	
Missouri Headwaters SP	T02N R02E - Missouri River	532.56	X
Sheds Bridge FAS	T02S R04E - Gallatin River	8.67	
Three Forks Ponds FAS	T02N R01E - pond	96.057	
Williams Bridge FAS	T01N R01W - Jefferson River	2.29	X

Jefferson County

Fishing Access Sites (FAS) & State Parks (SP)	Legal Description - Waterbody	Acreage	Sites with Latrines
Elkhorn SP	T06N R03W - N/A	1	
Lewis & Clark Caverns SP	T01N R02W - Jefferson River	2,893.28	X
Limespur FAS	T01N R02W - Jefferson River	118.3	
Mayflower Bridge FAS	T01N R03W - Jefferson River	20	
Park Lake FAS	T08N R05W - lake	95.88	
Parker Homestead SP	T01N R01W - N/A	1.67	
Parrott Castle FAS	T01N R04W - Jefferson River	31	
Sappington Bridge FAS	T01N R01W - Jefferson River	7	
Tizer Lakes FAS	T07N R03W - lakes	142.29	

Lewis & Clark County

Fishing Access Sites (FAS) & State Parks (SP)	Legal Description - Waterbody	Acreage	Sites with Latrine(s)
Black Sandy SP	T12N R02W - Hauser Lake	43.479	X
Causeway FAS	T11N R02W - Lake Helena	1.21	X
Helena Valley Reservoir FAS	T10N R02W - lake	450	X
Spring Meadow Lake SP	T10N R04W - lake	55.8	X
York Bridge FAS	T11N R02W - Hauser Lake	10.45	X

Madison County

Fishing Access Sites (FAS) & State Parks (SP)	Legal Description - Waterbody	Acreage	Sites with Latrine(s)
Browns Bridge FAS	T03S R09W - Big Hole River	10.412	X
Burnt Tree Hole FAS	T06S R01W - Madison River	26.94	X
Cardwell FAS	T01N R03W - Jefferson River	5.53	X
Eight Mile Ford FAS	T06S R01W - Madison River	30	X
Ennis FAS	T06S R01W - Madison river	76.74	X
Harrison Lake FAS	T01S R01W - lake	39.95	X
High Road FAS	T03S R06W - Big Hole River	3	
Kountz Bridge FAS	T01N R04W - Jefferson River	38.34	
Lyon's Bridge FAS	T11S R01E - Madison River	2	X
McAtee Bridge FAS	T08S R01W - Madison River	5.84	X
Meadow Lake FAS	T04S R01W - Ennis Lake	5.57	X
Notch Bottom FAS	T04 & 05 W R08W - Big Hole River	12.33	X
Pennington Bridge FAS	T04S R07W - Big Hole River	2	
Raynolds Pass FAS	T11S R02E - Madison River	161.95	X
Silver Star FAS	T02S R06W - Jefferson River	25.929	
Valley Garden FAS	T05S R01W - Madison River	147.21	X
Varney Bridge FAS	T07S R01W - Madison River	5	X

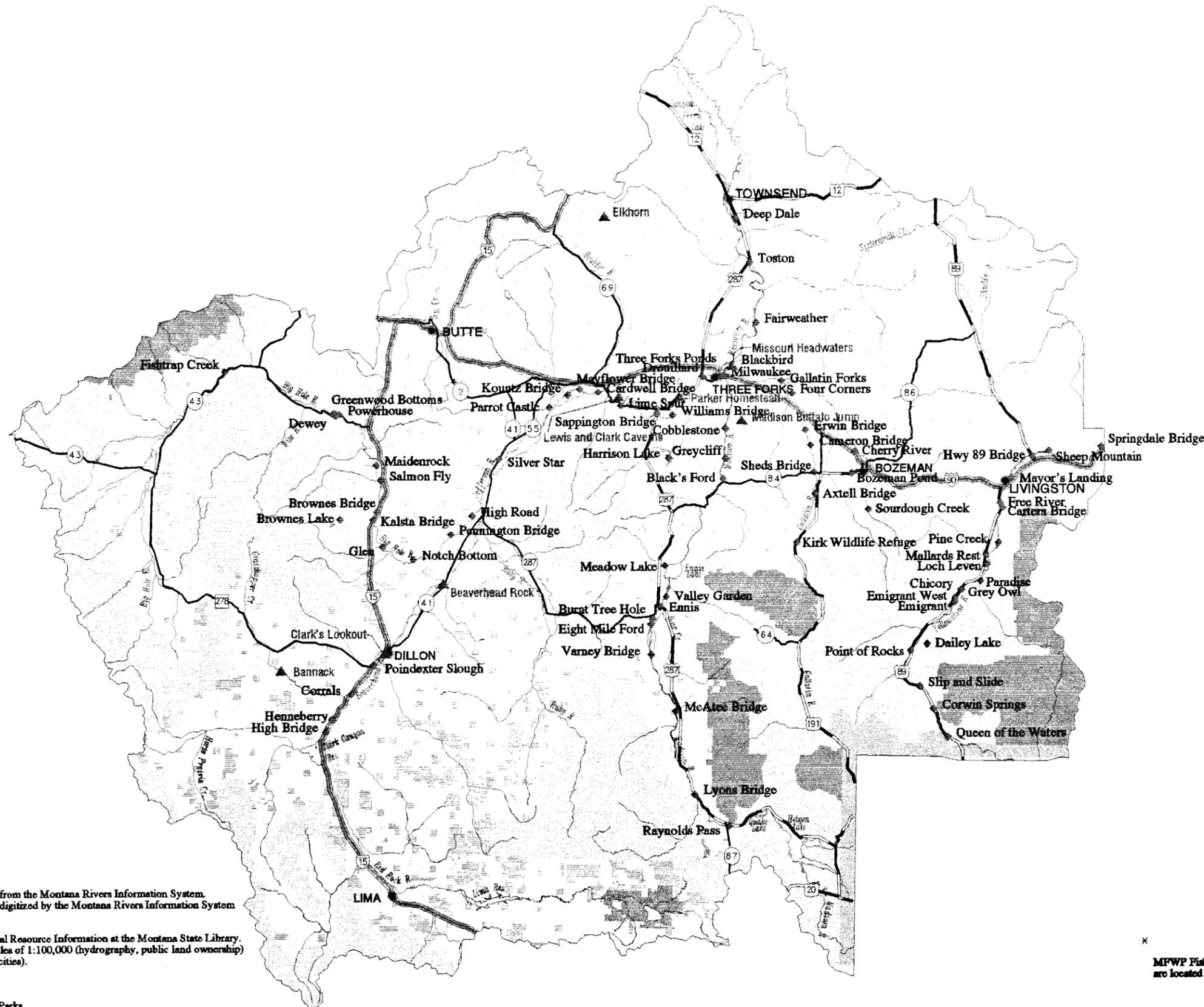
Park County

Fishing Access Sites (FAS) & State Parks (SP)	Legal Descriptions - Waterbody	Acreage	Sites with Latrine(s)
Carters Bridge FAS	T03S R09E - Yellowstone River	2.822	X
Chicory FAS	T05S R08E - Yellowstone River	1.709	
Corwin Springs FAS	T08S R08E - Yellowstone River	.94	
Dailey Lake FAS	T06S R07E - lake	382.17	X
Emigrant FAS	T05S R08E - Yellowstone River	2.32	X
Emigrant West FAS	T05S R08E - Yellowstone River	70.74	
Free River FAS	T03S R09E - Yellowstone River	13.408	
Grey Owl FAS	T05S R08E - Yellowstone River	36	X
Highway 89 Bridge FAS	T01S T10E - Yellowstone River	1.95	
Loch Leven FAS	T04S R09E - Yellowstone River	75.44	X
Mallards Rest FAS	T04S R09E - Yellowstone River	18.123	X
Mayor's Landing FAS	T15N R10E - Yellowstone River	2.8	X
Paradise FAS	T05S R09E - Yellowstone River	2.575	X
Pine Creek FAS	T04S R09E - Yellowstone River	2.23	X
Point of Rocks FAS	T07S R07E - Yellowstone River	58.746	
Queen of the Waters FAS	T09S R08E - Yellowstone River	10	
Sheep Mountain FAS	T01S R11E - Yellowstone River	7.47	X
Slip -n- Slide FAS	T08S R07E - Yellowstone River	14.31	
Springdale (FAS)	T01S R12E - Yellowstone River	15.524	X

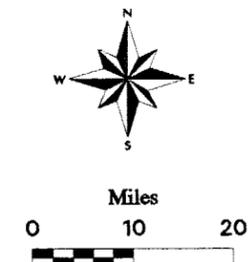
Silver Bow County

Fishing Access Sites (FAS) & State Parks (SP)	Legal Description - Waterbody	Acreage	Sites with Latrine(s)
Powerhouse FAS	T01S R10W - Big Hole River	35.2	

STATE FISHING ACCESS SITES AND PARKS - REGION THREE



- ◆ State Fishing Access Site *
- ▲ State Park *
- Bureau of Land Management
- ▨ Indian Lands or Reservations
- National Forest
- ▨ National Forest Wilderness
- ▨ National Grasslands
- ▨ National Parks and Monuments
- ▨ National Wildlife Refuges
- State Lands



Scale 1: 1161000
Albers Equal Area Projection

State Fishing Access Sites from the Montana Rivers Information System.
State Fishing Access Sites digitized by the Montana Rivers Information System
at 1:100,000.

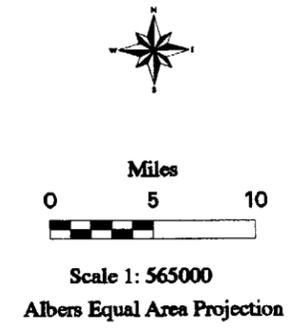
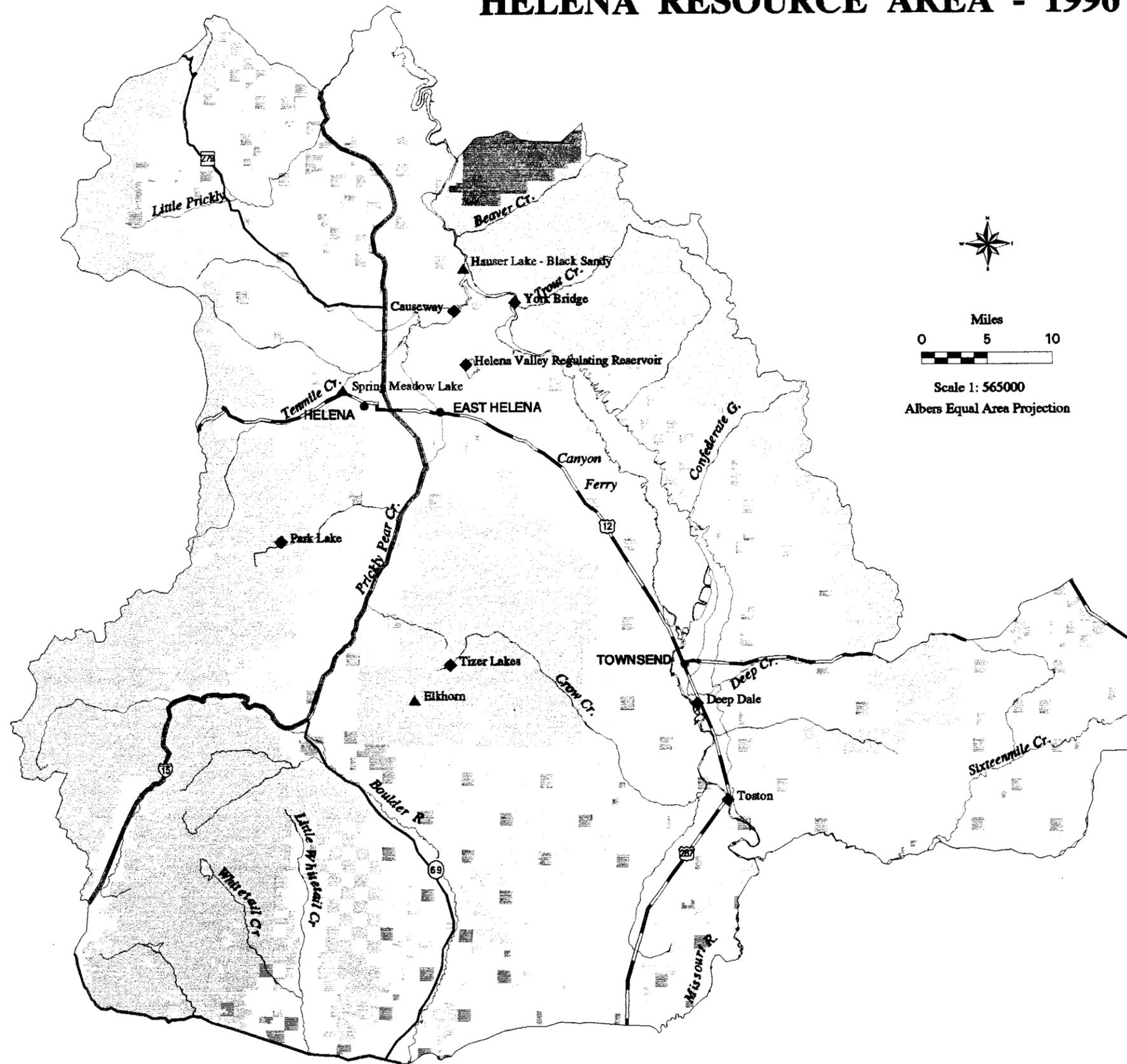
Layers from the Natural Resource Information at the Montana State Library.
Layers digitized at scales of 1:100,000 (hydrography, public land ownership)
and 1:250,000 (highways, cities).

Map produced by:
Angie Schmidt
Montana Fish, Wildlife & Parks
Information Services Unit
490 N. Meridian
Kalispell, MT 59901
(406)-751-4570
/home/spot/gbis/angie/sfasas.aml - AS - 5/22/96
/home/spot/gbis/angie/sasreg.aml - LB - 03/10/96
r3sfastr.cmp - 05/21/96

* MFWP Fishery Region 3 is displayed. Hamner Lake-Black Sandy State Park and Park Lake State Fishing Access Site are located in Fishery Region 4 thus they are not displayed. Region 3 parks maintains these two sites.



STATE FISHING ACCESS SITES AND PARKS HELENA RESOURCE AREA - 1996



LEGEND

- ◆ State Fishing Access Site
- ▲ State Park
- Bureau of Land Management
- ▨ Indian Lands or Reservations
- National Forest
- National Forest Wilderness
- ▨ National Grasslands
- ▨ National Parks and Monuments
- National Wildlife Refuges
- ▨ State Lands

State Fishing Access Sites and State Parks from the Montana Rivers Information System.
State Fishing Access Sites and State Parks digitized by the Montana Rivers Information System at 1:100,000.

Base layers from the Natural Resource Information at the Montana State Library.
Base layers digitized at scales of 1:100,000 (hydrography, public land ownership) and 1:250,000 (highways, cities).

Map produced by:
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(406)-751-4570

/home/spot/gbis/sagie/newfasreg.aml - LB - 05/28/96
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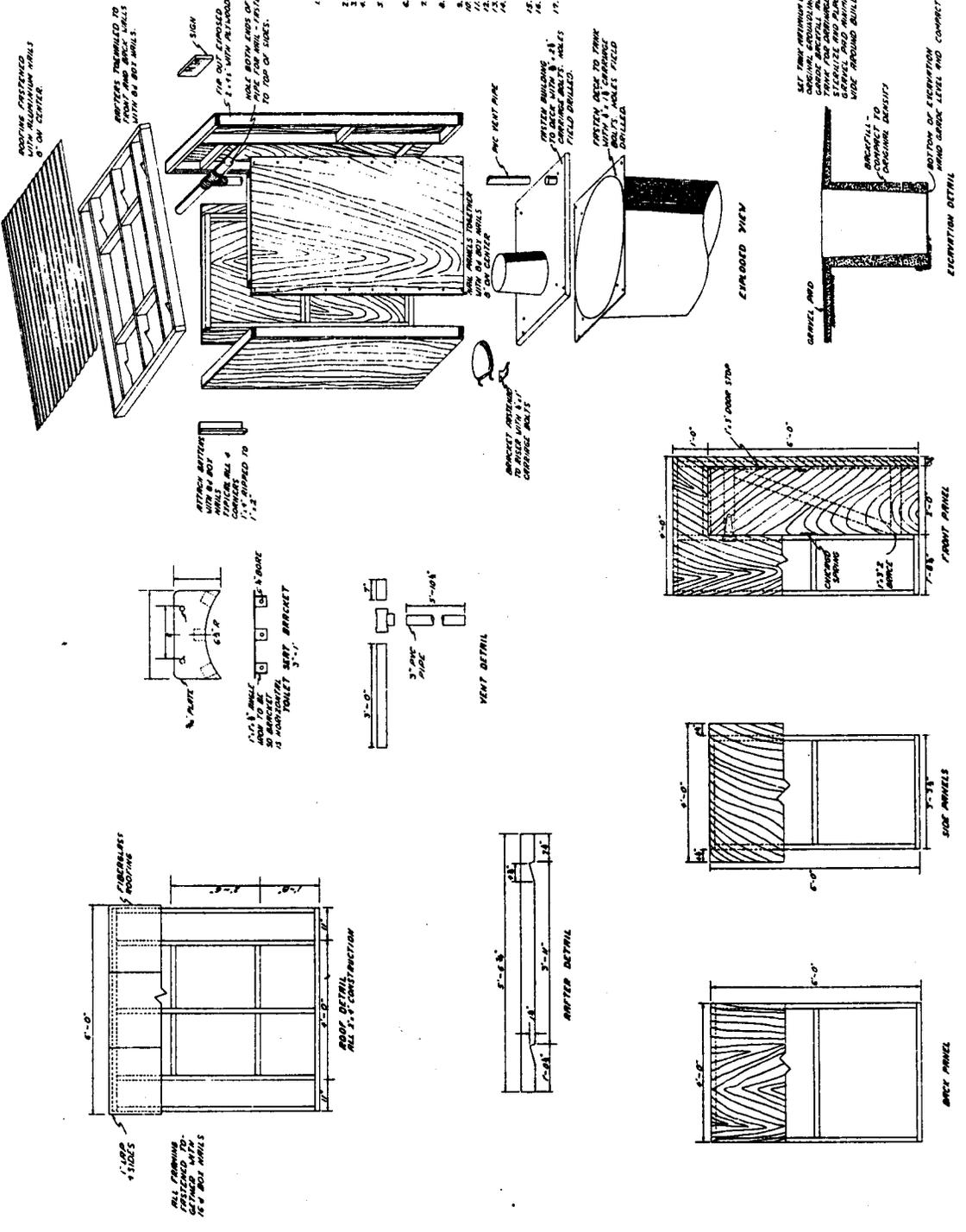
"OLD" style latrines

MATERIAL LIST

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ERECTION NOTES

1. EXERCISE CARE TO MAINTAIN PROPER CLEARANCE AS SHOWN IN THIS PLAN AND ELEVATION.
2. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE NOTED.
3. ALL MATERIALS TO BE USED SHALL BE OF THE BEST QUALITY AVAILABLE.
4. ALL JOINTS SHALL BE MADE WITH COPPER NAILS.
5. ALL ROOFING SHALL BE MADE WITH 16" WIDE SHINGLES.
6. ALL INTERIOR WALLS SHALL BE MADE WITH 1/2" PLASTER.
7. ALL INTERIOR FLOORS SHALL BE MADE WITH 1/2" PLASTER.
8. ALL INTERIOR CEILING SHALL BE MADE WITH 1/2" PLASTER.
9. ALL INTERIOR DOORS SHALL BE MADE WITH 1 1/2" THICK DOOR.
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96. ALL INTERIOR INSULATION SHALL BE MADE WITH 1 1/2" THICK INSULATION.
97. ALL INTERIOR SOUNDING SHALL BE MADE WITH 1 1/2" THICK SOUNDING.
98. ALL INTERIOR VENTILATION SHALL BE MADE WITH 1 1/2" THICK VENTILATION.
99. ALL INTERIOR INSULATION SHALL BE MADE WITH 1 1/2" THICK INSULATION.
100. ALL INTERIOR SOUNDING SHALL BE MADE WITH 1 1/2" THICK SOUNDING.



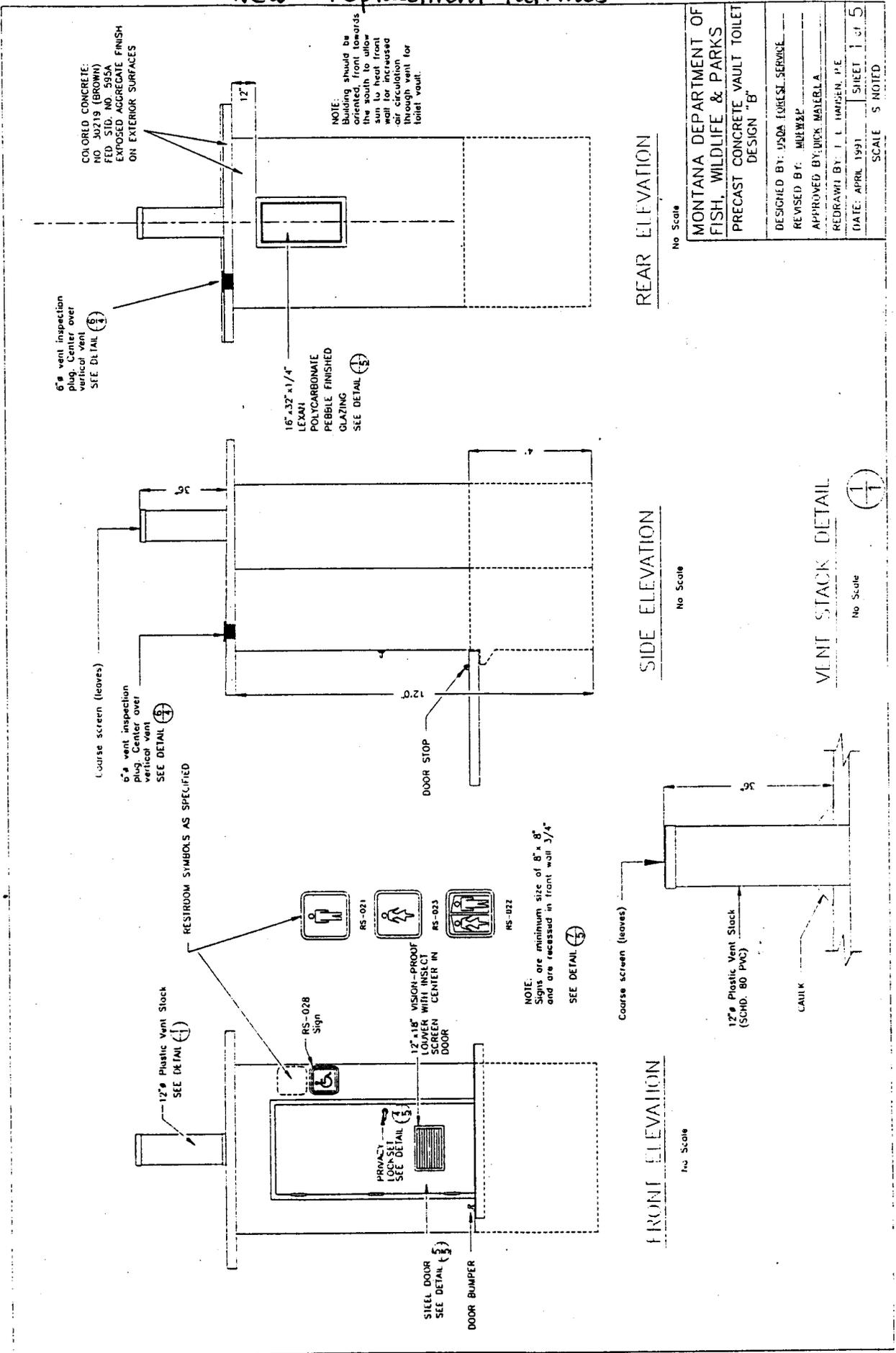
STATE OF MONTANA
FISH AND GAME COMMISSION
RECREATION AND PARKS DIVISION

SINGLE LATRINE

SCALE 3/4" = 1'

SHEET 1 OF 2

"New" - replacement latrines



COLORED CONCRETE:
NO. J0219 (BROWN)
FED. STD. NO. 595A
EXPOSED AGGREGATE FINISH
ON EXTERIOR SURFACES

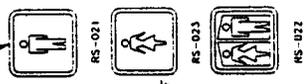
6" vent inspection
plug. Center over
vertical vent
SEE DETAIL (1)

16" x 32" x 1/4"
LEXAN
POLYCARBONATE
PEBBLE FINISHED
GLAZING
SEE DETAIL (4)

NOTE:
Building should be
oriented, front towards
the south to allow
the solar heat gain to
warm the interior
and to increase
air circulation
through vent for
toilet vault.

6" vent inspection
plug. Center over
vertical vent
SEE DETAIL (3)

RESTROOM SYMBOLS AS SPECIFIED



RS-028
Sign

12" x 18" VISION-PROOF
LOWER WITH INSECT
SCREEN CENTER IN
DOOR

NOTE:
Signs are minimum size of 8" x 8"
and are recessed in front wall 3/4"
SEE DETAIL (4)

12" Plastic Vent Stack
SEE DETAIL (1)

PRIVACY
LOCK SET
SEE DETAIL (5)

STEEL DOOR
SEE DETAIL (2)

DOOR BUMPER

DOOR STOP

REAR ELEVATION

No Scale

SIDE ELEVATION

No Scale

FRONT ELEVATION

No Scale

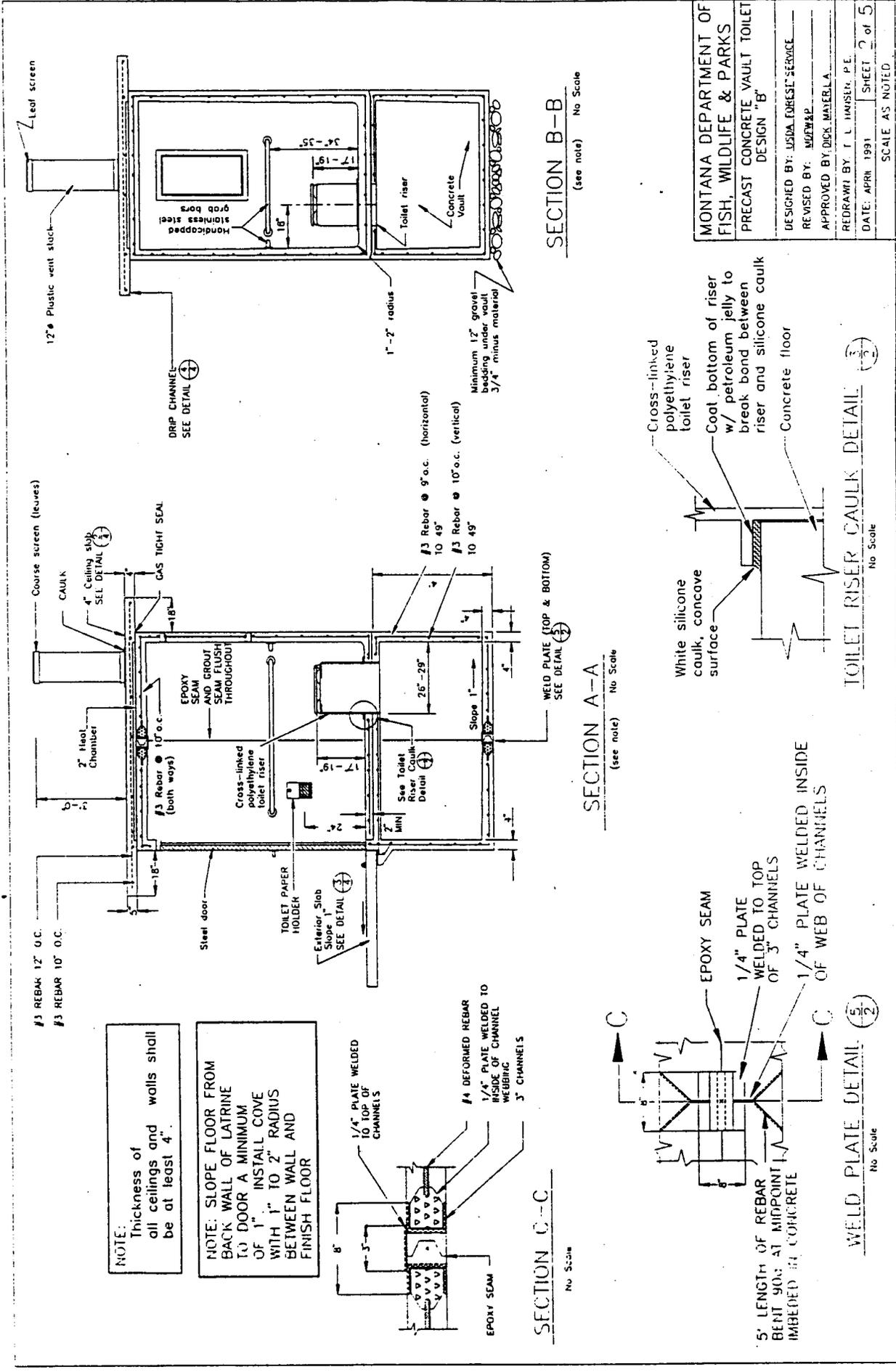
VENT STACK DETAIL

No Scale

MONTANA DEPARTMENT OF FISH, WILDLIFE & PARKS	
PRECAST CONCRETE VAULT TOILET DESIGN "B"	
DESIGNED BY: USDA FOREST SERVICE	---
REVISED BY: MURW&P	---
APPROVED BY: DECK MAEBLA	---
REDRAWN BY: J. L. HANSEN, P.E.	---
DATE: APRIL 1991	SHEET 1 of 5
SCALE: 5 NOTED	---

12" Plastic Vent Stack
(SCHD. 80 PVC)

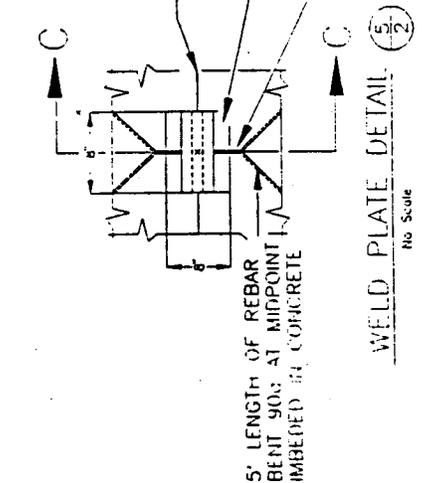
CAULK



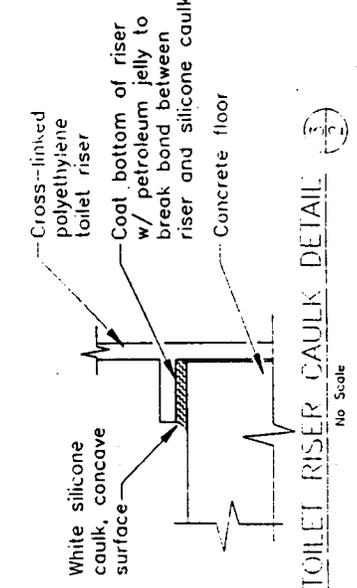
NOTE:
Thickness of all ceilings and walls shall be at least 4".

NOTE:
SLOPE FLOOR FROM BACK WALL OF LATRINE TO DOOR A MINIMUM OF 1" INSTALL COVE WITH 1" TO 2" RADIUS BETWEEN WALL AND FINISH FLOOR

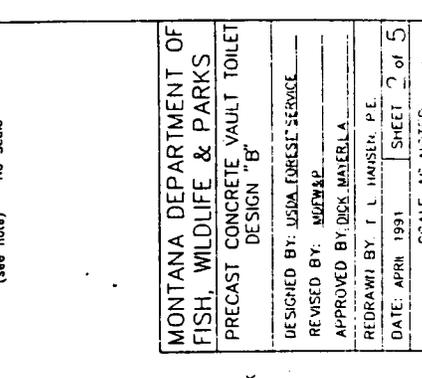
SECTION C-C
No Scale



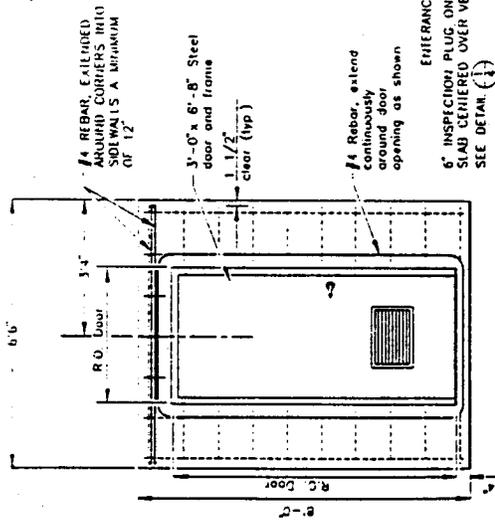
SECTION A-A
(see note) No Scale



SECTION B-B
(see note) No Scale

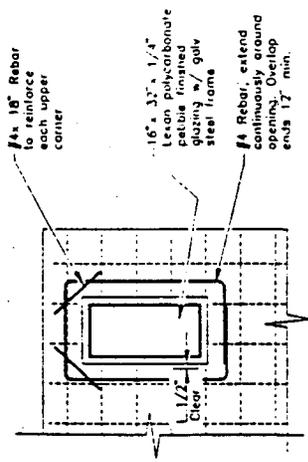


MONTANA DEPARTMENT OF FISH, WILDLIFE & PARKS
 PRECAST CONCRETE VAULT TOILET DESIGN "B"
 DESIGNED BY: USDA FOREST SERVICE
 REVISED BY: MUPWAP
 APPROVED BY: DICK MAYERLA
 REDRAWN BY: T. L. HANSEN, P.E.
 DATE: APRIL 1991 SHEET 2 of 5
 SCALE AS NOTED



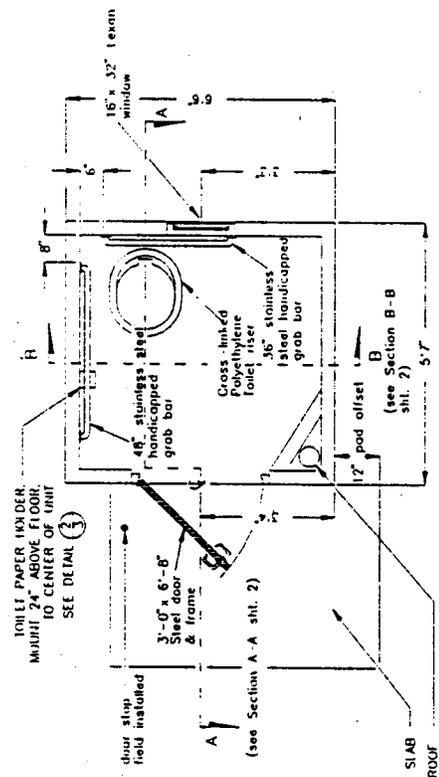
DOOR OPENING/ FRONT WALL REINFORCEMENT

No Scale



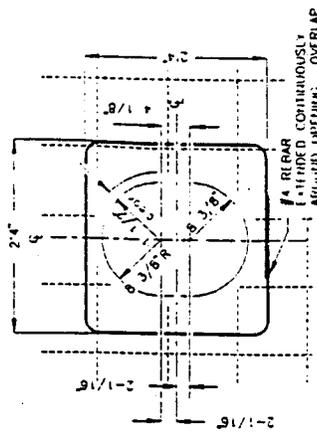
WINDOW OPENING REINFORCEMENT

No Scale

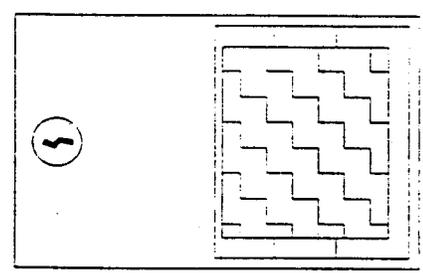


VAULT TOILET FLOOR PLAN

No Scale



BOHRICK #18-288 SURFACE MOUNTED MULTI ROLL TOILET TISSUE DISPENSER OR APPROVED EQUAL



TOILET PAPER HOLDER DETAIL (3)

No Scale

TOILET RISER OPTIMIS REINFORCEMENT

No Scale

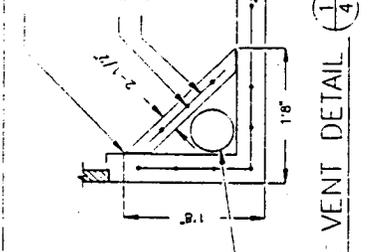
MONTANA DEPARTMENT OF FISH, WILDLIFE & PARKS
 PRECAST CONCRETE VAULT TOILET
 DE-11-11 "B"

DESIGNED BY USDA FOREST SERVICE
 REVISED BY MUYR&P
 APPROVED BY D. K. WATERLIA
 REPAIRED BY T. HANSEN, P.E.
 DATE: APRIL 1991 SHEET 5 of 5
 SCALE AS SHOWN

1) APPLY ADHESIVE ARGUMENT PERIMETER FOR ALL MORTAR JOINT, OR CAST WALL IN PLACE
 2) GROUT SMOOTH BEFORE PAINTING

#3 REBAR, 6" O.C.
 #3 REBAR, 1' O.C.

NOTE:
 1. INSTALL VERTICAL VENT BEFORE PLACING CONCRETE FLOOR.
 2. IMBED HORIZONTAL REIN. STEEL A MINIMUM OF 1-1/2" ON ONE END WHEN VENT WALL IS ALTERNATE ANGLE ENDS FROM FLOOR TO CEILING.
 3. BLOCK OUT OPENINGS IN FLOOR AND ROOF FOR AIR MOVEMENT BETWEEN VENT AND HEAT CHAMBER



VERTICAL VENT DETAIL (1/4)
 No Scale

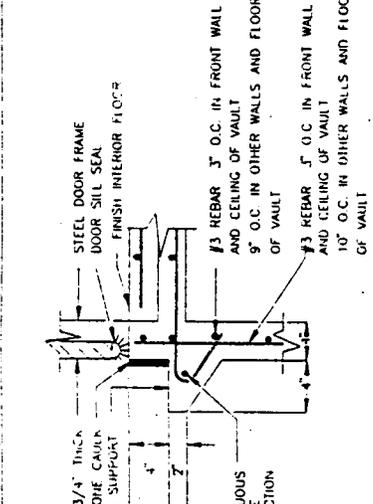
STEEL DOOR - 1-3/4" THICK SILICONE CAULK EXTERIOR SLAB SUPPORT

STEEL DOOR FRAME DOOR SILL SEAL FINISH INTERIOR FLOOR

#4 REBAR CONTINUOUS THROUGH-OUT THE SLAB SUPPORT SECTION

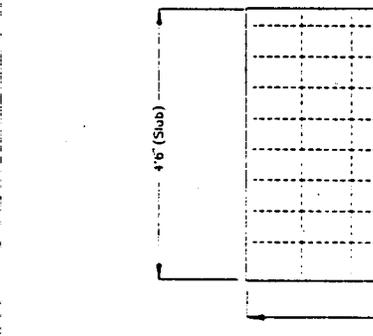
#3 REBAR 3" O.C. IN FRONT WALL AND CEILING OF VAULT
 9" O.C. IN OTHER WALLS AND FLOOR OF VAULT

#3 REBAR 5" O.C. IN FRONT WALL AND CEILING OF VAULT
 10" O.C. IN OTHER WALLS AND FLOOR OF VAULT



DOOR SILL DETAIL (5/4)
 No Scale

SEE BUILDING SECTIONS ON SHEET 2 FOR COMPLETE STEEL REINFORCEMENT DETAILS.
 MINIMUM OF 2" OF CLEARANCE AROUND OPENINGS AND PERIMETER FOR REINFORCING STEEL.
 ALL REINFORCEMENT SHOWN IS #4 REBAR



ROOF PLAN (2/4)
 No Scale

PLAN

6" (SLAB)
 4" (SLAB)

DRIP CHANNEL DETAIL (4/4)
 No Scale



ENTRANCE SLAB DETAIL (3/4)
 No Scale



VENT INSPECTION PLUG (1/4)
 No Scale



VENT INSPECTION PLUG (1/4)
 No Scale

MONTANA DEPARTMENT OF FISH, WILDLIFE & PARKS
 PRECAST CONCRETE VAULT TOILET DESIGN "B"

DESIGNED BY: USDA FOREST SERVICE
 REVISED BY: MQUWAP
 APPROVED BY: DR. J. C. MAYERLA
 DRAWN BY: T. L. HANSEN, P.E.
 DATE: APRIL 1991 SHEET 4 of 5
 SCALE: AS NOTED

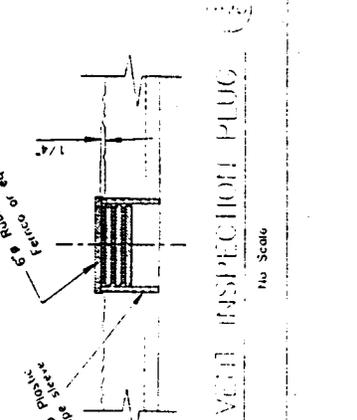
STEEL DOOR - 1-3/4" THICK SILICONE CAULK EXTERIOR SLAB SUPPORT

STEEL DOOR FRAME DOOR SILL SEAL FINISH INTERIOR FLOOR

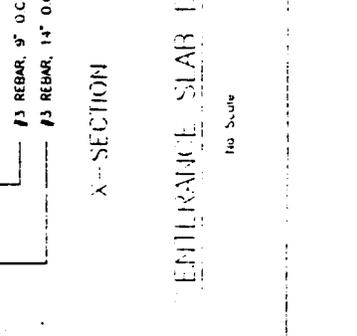
#4 REBAR CONTINUOUS THROUGH-OUT THE SLAB SUPPORT SECTION

#3 REBAR 3" O.C. IN FRONT WALL AND CEILING OF VAULT
 9" O.C. IN OTHER WALLS AND FLOOR OF VAULT

#3 REBAR 5" O.C. IN FRONT WALL AND CEILING OF VAULT
 10" O.C. IN OTHER WALLS AND FLOOR OF VAULT



SEE BUILDING SECTIONS ON SHEET 2 FOR COMPLETE STEEL REINFORCEMENT DETAILS.
 MINIMUM OF 2" OF CLEARANCE AROUND OPENINGS AND PERIMETER FOR REINFORCING STEEL.
 ALL REINFORCEMENT SHOWN IS #4 REBAR



PLAN

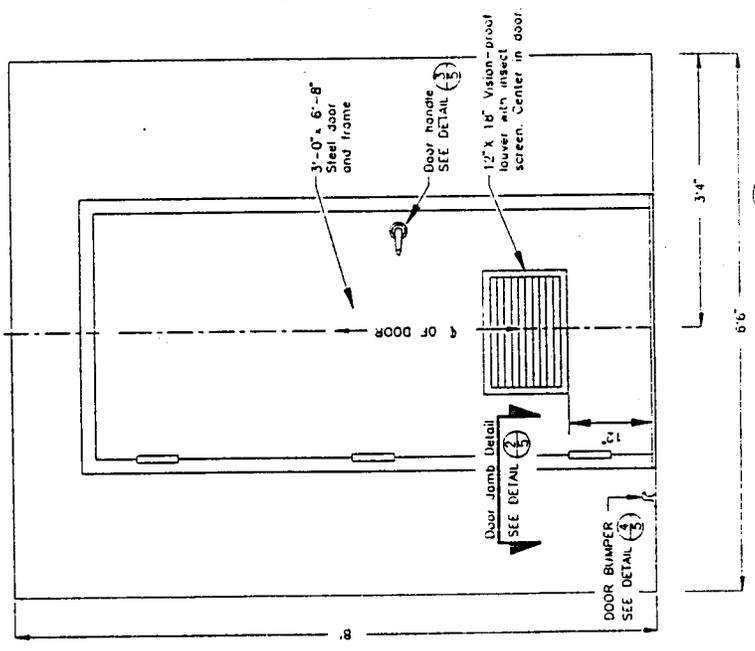
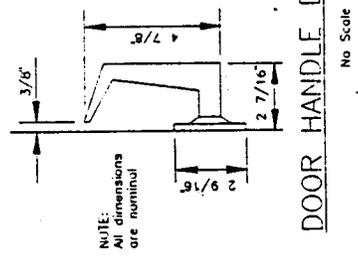
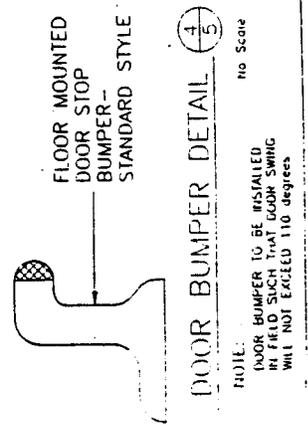
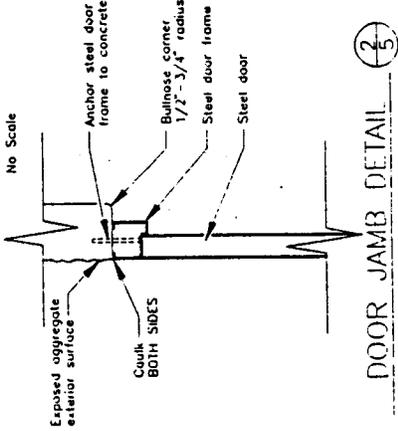
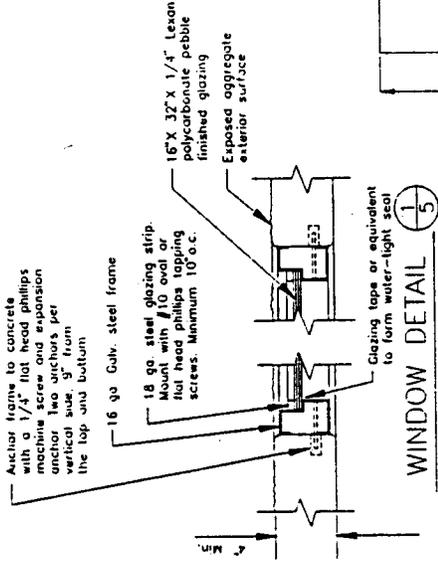
6" (SLAB)
 4" (SLAB)

DRIP CHANNEL DETAIL (4/4)
 No Scale

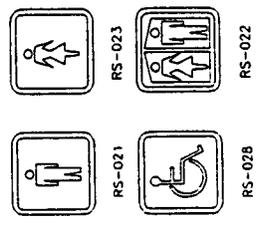
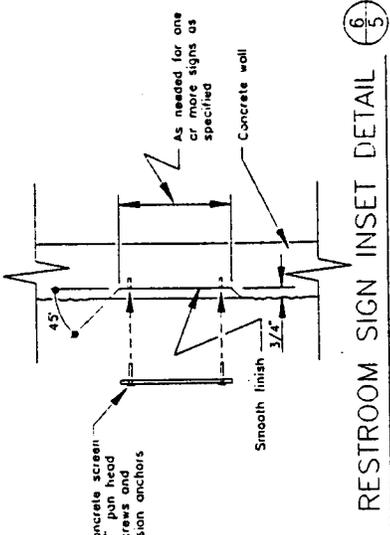
ENTRANCE SLAB DETAIL (3/4)
 No Scale

VENT INSPECTION PLUG (1/4)
 No Scale

VENT INSPECTION PLUG (1/4)
 No Scale



DOOR DETAIL 5
No Scale



NOTE:
Signs are minimum size of 8" x 6" and are recessed in front wall 3/4"

SEE DETAIL 6

SIGN DETAIL 7
No Scale

MONTANA DEPARTMENT OF FISH, WILDLIFE & PARKS
PRECAST CONCRETE VAULT TOILET DESIGN "B"

DESIGNED BY: U.S.E.L. FORESL SERVICE
REVISED BY: U.S.E.L. FORESL SERVICE
APPROVED BY: B. J. MAJERLA
DRAWN BY: J. HANSEN, P.E.
DATE: APRIL 1977

SHEET 5 of 5
SC-1-E NOTED

To Jerry WALKER K-2

RECEIVED JUN 0 3 1996
MAY 29 1996

STW

**Montana Department
of
Fish, Wildlife & Parks**



22
47
02
09

1539 East Eleventh Ave. - 4th Floor
PO Box 200701
Helena, MT 59620-0701

May 28, 1996

Paul Putz
State Historic Preservation
1410 Eight Avenue
Helena, MT 59620

MAY 30 1996
DESIGN & CONSTRUCTION
PT. OF FISH, WILDLIFE & PARKS

Dear Paul:

The Department of Fish, Wildlife and Parks is proposing to use state funds to replace vault toilets at the following sites. Based on your staff's previous comments, we are proposing to address cultural issues, as noted, for each specific site.

Glen FAS - T4S, R9W, Sec. 24, proposed new vault toilet to be located adjacent to existing latrines to be removed. No record of previous cultural survey, therefore, we will survey site prior to vault installation.

William Bridge FAS - T1N, R1W, Sec. 26, proposed new vault toilet to be located adjacent to existing latrines to be removed. No record of previous cultural survey, therefore, we will survey site prior to vault installation.

Cardwell FAS - T1N, R3W, Sec. 10, proposed project to replace existing vault toilet is same location, no cultural work proposed.

Drouillard FAS - T2N, R1E, Sec. 27, proposed project to replace existing vault toilet is same location, no cultural work proposed.

Burnt Tree Hole - T6S, R1W, Sec. 17, proposed project to replace existing vault toilet is same location, no cultural work proposed.

Paradise - T5S, R9E, Sec. 8, proposed project to replace existing vault toilet is same location, no cultural work proposed.

Emigrant FAS - T5S, R8E, Sec. 27, proposed new vault toilet adjacent to existing latrines which will be removed. This site was previously surveyed for cultural resources, with none being found. Therefore, we are proposing no additional cultural work at this site.

Greycliff FAS - T1S, R2E, Sec. 30, 31, proposed project, replace three existing vault toilets by placing new vaults adjacent to the existing vaults, and removing old vaults. This site has been

Paul Putz
May 24, 1996
Page 2 of 2

surveyed for cultural resources with twelve cultural sites being located. (see attached map) Based on our site review, none of the proposed latrine locations will impact existing cultural sites on this property. Therefore, we are not proposing any additional cultural work for this site.

Ennis FAS - Proposed replace three existing vault toilets. Our records do not show a previous cultural survey for this site. Therefore, we would propose 1) replace the existing latrines in the same location, or 2) install the new vault toilets in new locations, which we would have surveyed for cultural resources prior to ground disturbance.

Maiden Rock FAS, T2S, R19W, Sec. 10, 15, proposed replace three existing vault toilets. This site has been surveyed for cultural resources, with no cultural sites being found on the west side of the river where the vault toilets are to be replaced. Site 245B232 has been recorded on the east side of the river, but no work is proposed for this area. Therefore, we are proposing no additional cultural work for this site.

Mallards Rest FAS - T4S, R9E, Sec. 21, proposed project, replace two existing latrines. This site was previously surveyed for cultural resources with none being found. Therefore, we propose no additional cultural resource work for this site.

Missouri Head Waters and Lewis and Clark Caverns S.P. - Replace one vault latrine at each site. Limited cultural work has been done at each of these sites. But due to the nature and potential of these sites to contain historic and prehistoric sites, we propose either, 1) the new vault toilets be placed in the same location as the existing vaults or 2) a Cultural Resource Survey be done prior to ground disturbance, if the new vault toilets are located in new locations.

We believe that following each of the proposed site actions above, will result in a low likelihood of impact to cultural resources.

Please review our proposed actions and provide us with your comments.

Sincerely,



PAUL VALLE
Cultural Resources Coordinator
Field Services Division
co

CONCUR
MONTANA SHPC

DATE 5-30-96 SIGNED



attachment