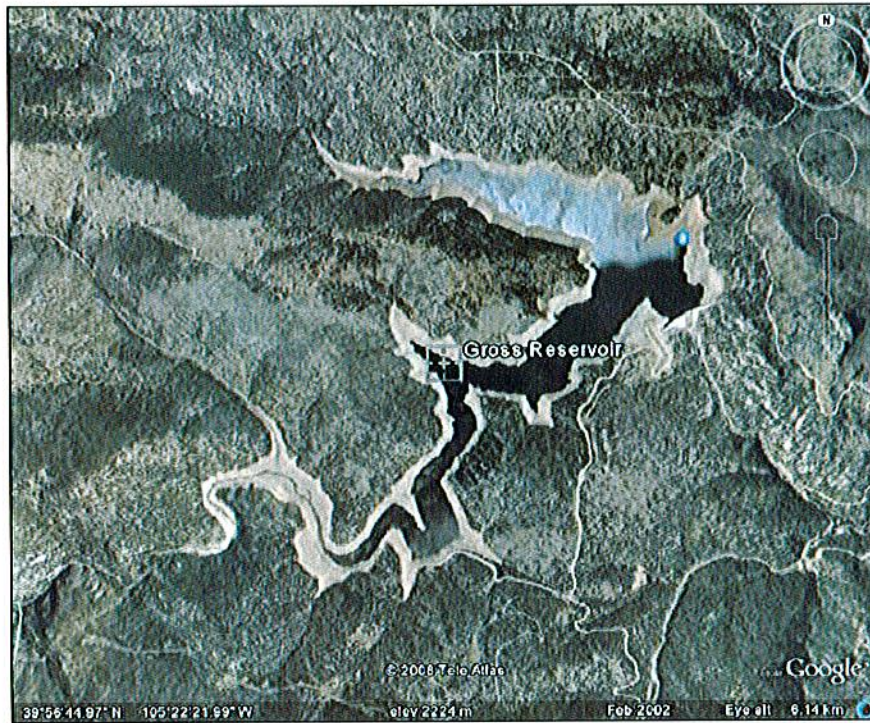


GROSS RESERVOIR

-RECREATION RELOCATION PLAN-
DENVER WATER DEPARTMENT

MAY 2008



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SHAPINS

Belt Collins

PLANNING
URBAN DESIGN
LANDSCAPE ARCHITECTURE

1818 SIXTEENTH STREET
BOULDER, COLORADO 80302
303.442.4588 FAX 303.786.8026

SITING CRITERIA NOTES:

1. LOCATIONS OF INDIVIDUAL RECREATION COMPONENTS SUCH AS TRAILS, PICNIC TABLES AND SHELTERS ARE AT A CONCEPTUAL LEVEL ONLY. IMPLEMENTATION OF THIS PLAN WILL REQUIRE FURTHER STUDY TO DETERMINE THE EXACT LOCATIONS OF RELOCATED RECREATION AMENITIES.
2. INDIVIDUAL PICNIC TABLE SITES WERE ASSIGNED A 50' OR A 100' BUFFER BASED ON THE LOCATION OF THE SPECIFIED AREA, THE SENSITIVITY OF THE SURROUNDING ENVIRONMENT, AND CONSIDERATION TO THE USER EXPERIENCE BEST SUITED FOR THE SITE. 100' BUFFER (SEE NOTE) WERE UTILIZED IN AREAS WHERE THE SURROUNDING ENVIRONMENT WAS MORE SUSCEPTIBLE TO IMPACTS ASSOCIATED WITH RECREATIONAL USE AND IN AREAS (SUCH AS HIKE IN PICNIC AREAS) WHERE THE USER MAY PREFER A LESS CROWDED VISITOR EXPERIENCE. 50' BUFFERS WERE USED IN AREAS WHERE HIGH CONCENTRATION OF USE WILL OCCUR, SUCH AS THE BOAT PUT-IN) OR WHERE THE SURROUNDING ENVIRONMENT IS LESS LIKELY TO BE IMPACTED BY HEAVY USE.
3. PARKING AREAS WERE SITED IN CLOSE PROXIMITY TO RELOCATED FACILITIES AND PROPOSED TRAILS.
4. LAYOUT OF PARKING AREAS SHOWN ON PLANS IS CONCEPTUAL ONLY.
5. LOCATION OF FISHING ACCESS POINTS WILL REQUIRE FIELD VERIFICATION, IDEALLY AFTER THE WATER LEVEL HAS BEEN RAISED.

NOTE:

100' BUFFER FOR INDIVIDUAL PICNIC SITES IS A STANDARD USED BY THE US FOREST SERVICE "FOR PRIVACY AND TO PREVENT OVERUSE OF SITE" (FOREST SERVICE HANDBOOK, PAGE 76). THE BUFFER IS GRAPHICALLY REPRESENTED ON THE MAPS BY A 200' DIAMETER CIRCLE (FOR THE 100' BUFFER) OR A 100' DIAMETER CIRCLE (FOR A 50' BUFFER).

SELECTION CRITERIA USED IN IDENTIFYING NEW RECREATION ACCESS AREAS:

1. TOPOGRAPHY & SOILS
AREAS WERE IDENTIFIED WHICH HAD FLATTER TOPOGRAPHY AND BUILDABLE SOILS.
2. CHARACTER
AREAS WERE IDENTIFIED WHICH WERE ATTRACTIVE, MINIMALLY DISTURBED, AND HAD INTERESTING SITE CHARACTER. THE FOLLOWING ATTRIBUTES WERE IMPORTANT FACTORS IN THE SITING OF NEW FACILITIES:
 - FORESTED
 - VIEWS TO THE RESERVOIR
 - VIEWS TO OUTCROPS AND OTHER INTERESTING SITE PHENOMENA
 - BUFFERED FROM UGLY DAM INFRASTRUCTURE
 - BUFFERED FROM ADJACENT RESIDENTIAL LAND USES
3. VISITOR COMFORT
AREAS WERE IDENTIFIED WHICH HAD COMFORTABLE MICROCLIMATES AFFORDED BY MATURE VEGETATION AND WHICH WERE PROTECTED FROM WINDS.
4. ACCESS
AREAS WERE IDENTIFIED WHICH HAD GOOD TRAIL ACCESS OR WHICH WOULD BE ACCESSIBLE VIA NEW TRAIL INFRASTRUCTURE.
AREAS WERE IDENTIFIED WHICH HAD GOOD VEHICULAR ACCESS OR WHICH COULD BE ACCESSIBLE VIA NEW ROADS IF NECESSARY.
AREAS WERE IDENTIFIED WHICH WOULD BE EASILY ACCESSIBLE TO SERVICE VEHICLES VIA CURRENT ROADS OR NEW ROADS IF NECESSARY.
AREAS WERE IDENTIFIED WHICH WOULD PROVIDE VISITORS WITH ACCESS TO THE WATER FOR FISHING, BOATING, OR OTHER RECREATIONAL OPPORTUNITIES.
5. ENVIRONMENTAL
AREAS WERE IDENTIFIED WHICH MINIMALLY IMPACTED VIEWS, EROSION, AND habitat.

COMPARATIVE FACILITY CHART:

FACILITY TYPE	CURRENT QUANTITY	PROPOSED QUANTITY
DEVELOPED PICNIC SITE	40	50
GROUP PICNIC SITE	7	6
FISHING ACCESS	2	4
NUMBER OF PARKING SPACES	85	88
DEVELOPED OVERLOOK	2	5

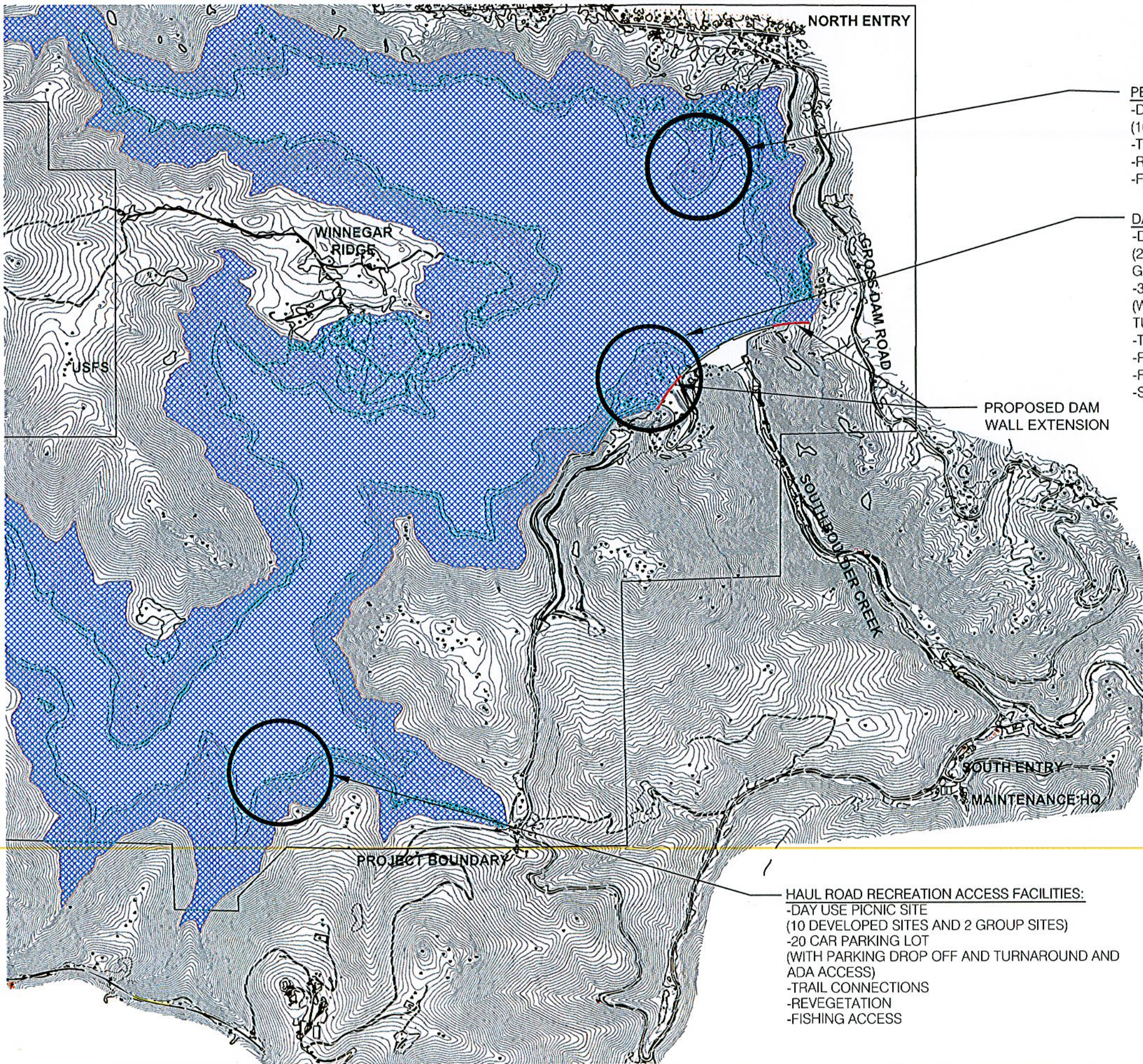
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DENVER WATER DEPARTMENT**

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Drawn By: EP
Checked By: JS
Date: 05.06.08
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NOTES

Sheet Number:



PENINSULA RECREATION FACILITIES:
 -DAY USE PICNIC SITE
 (10 DEVELOPED SITES AND 2 GROUP SITES)
 -TRAIL CONNECTIONS
 -REVEGETATION
 -FISHING ACCESS

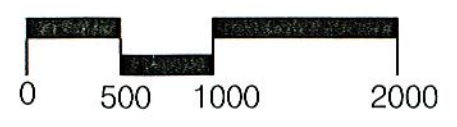
DAM RECREATION ACCESS:
 -DAY USE PICNIC SITE
 (20 DEVELOPED SITES AND 3 GROUP SITES)
 -38 CAR PARKING LOT
 (WITH PARKING DROP OFF AND TURNAROUND AND ADA ACCESS)
 -TRAIL CONNECTIONS
 -REVEGETATION
 -FISHING ACCESS
 -SCENIC OVERLOOK

PROPOSED DAM WALL EXTENSION

HAUL ROAD RECREATION ACCESS FACILITIES:
 -DAY USE PICNIC SITE
 (10 DEVELOPED SITES AND 2 GROUP SITES)
 -20 CAR PARKING LOT
 (WITH PARKING DROP OFF AND TURNAROUND AND ADA ACCESS)
 -TRAIL CONNECTIONS
 -REVEGETATION
 -FISHING ACCESS



KEY:
 NEW WATER LEVEL



SCALE: 1"=1000'



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 Date: 05.06.08
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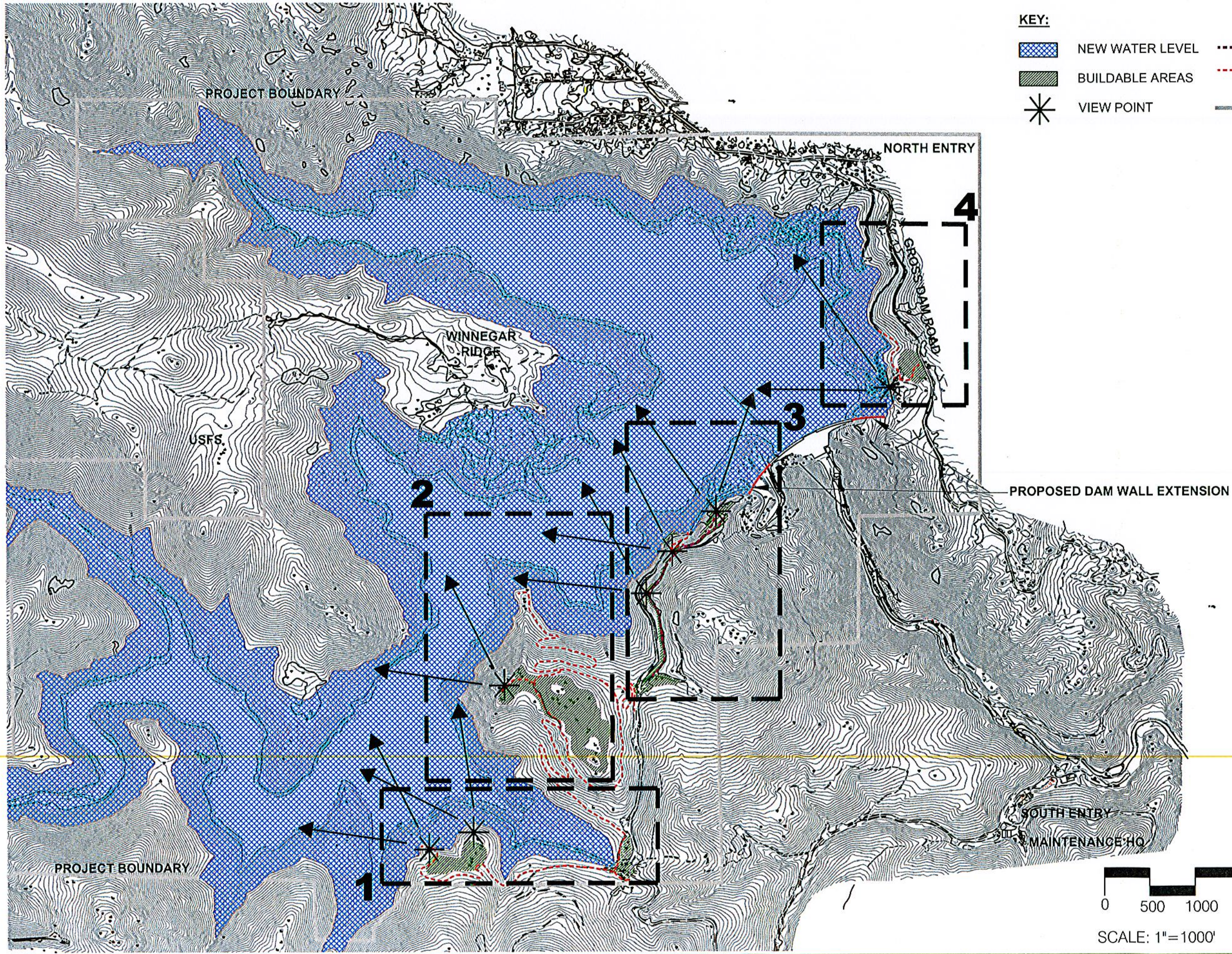
SITE ANALYSIS

AMMENITIES TO BE RELOCATED

Sheet Number:

KEY:

-  NEW WATER LEVEL
-  BUILDABLE AREAS
-  VIEW POINT
-  ADA TRAIL
-  HIKING TRAIL
-  PROJECT BOUNDARY



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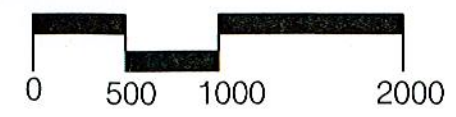
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Sheet Title:
**SITE
SELECTION &
ANALYSIS MAP**

Sheet Number:

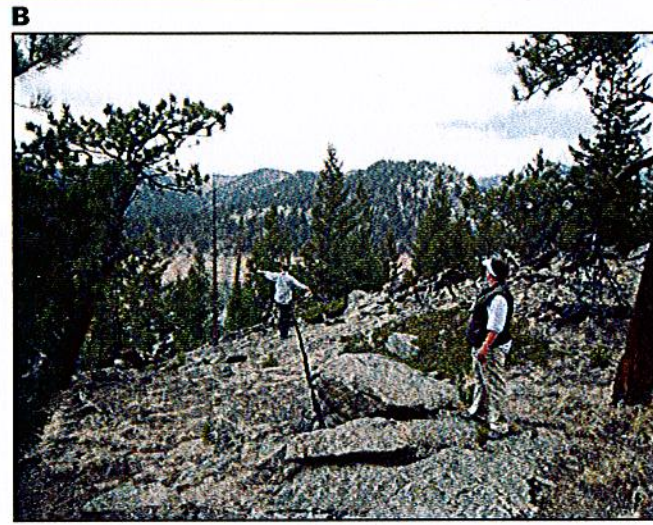
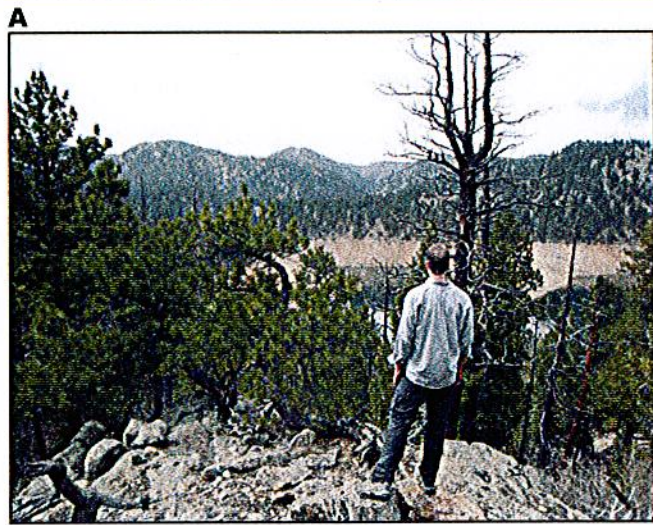
L2



SCALE: 1"=1000'



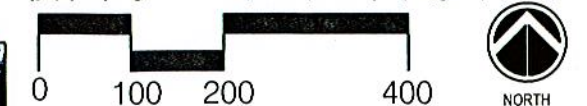
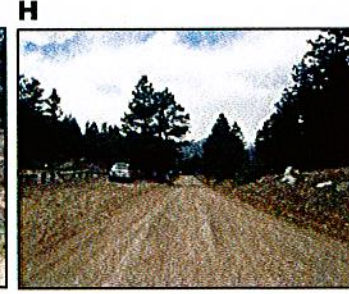
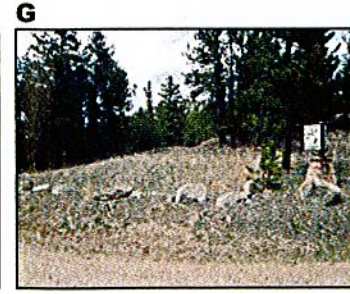
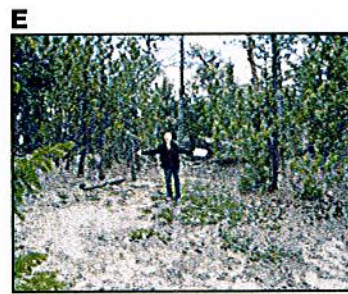
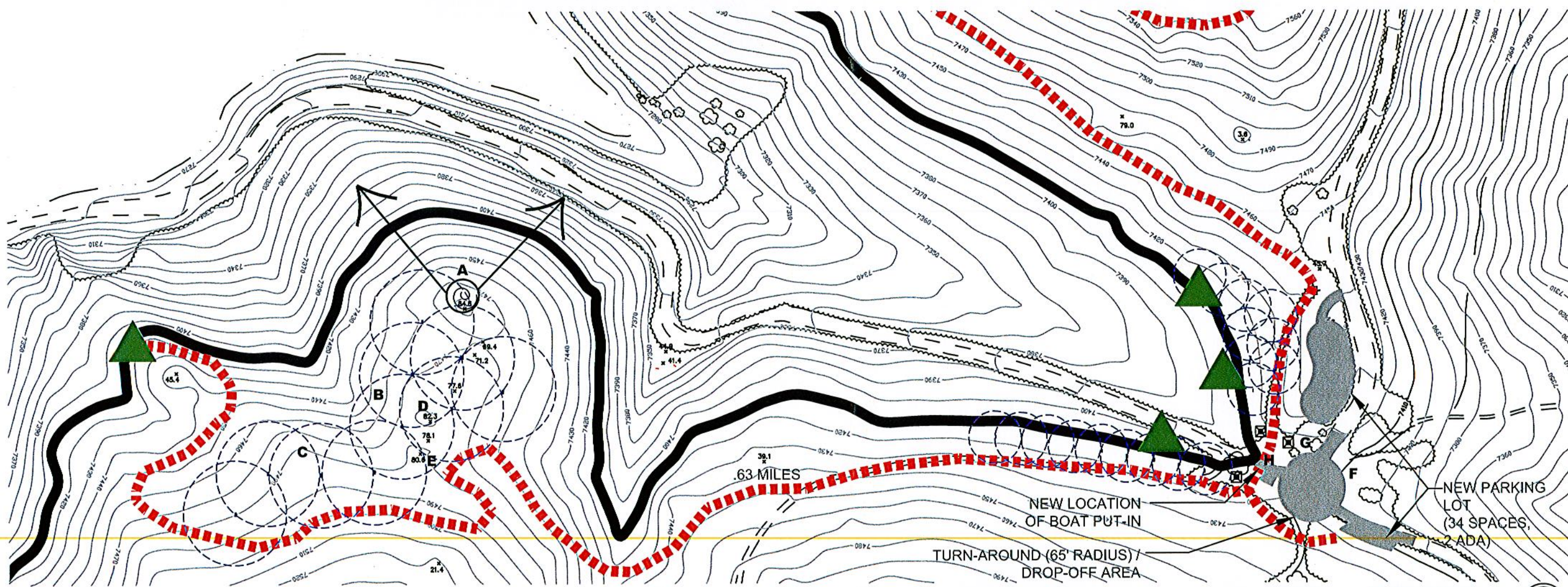
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KEY:

- NEW WATER LEVEL
- PROPOSED SINGLE PICNIC TABLE WITH 100' BUFFER(10)
- PROPOSED SINGLE PICNIC TABLE WITH 50' BUFFER(18)
- EXISTING VEGETATION
- EXISTING ROAD

- PROPOSED SCENIC OVERLOOK (1)
- PROPOSED (RELOCATED) SMALL PICNIC SHELTER (3)
- PROPOSED FISHING ACCESS (4)
- PROPOSED PARKING AREA (34 SPACES)
- PROPOSED HIKING TRAIL



SCALE: 1"=200'

AREA 1

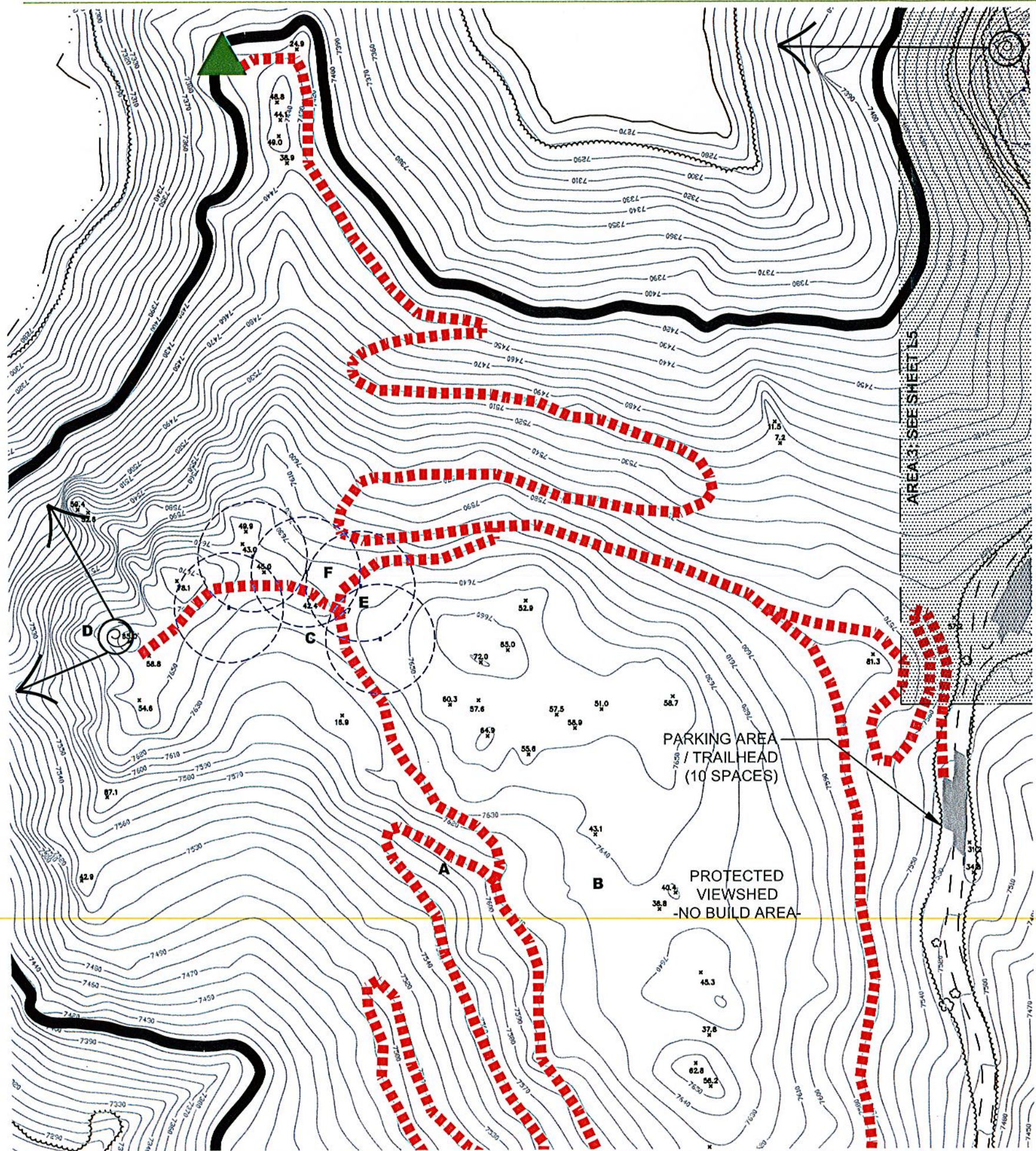
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Drawn By: EP
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Date: 05.08.08

Sheet Title:
-AREA 1-
CONCEPT
PLAN

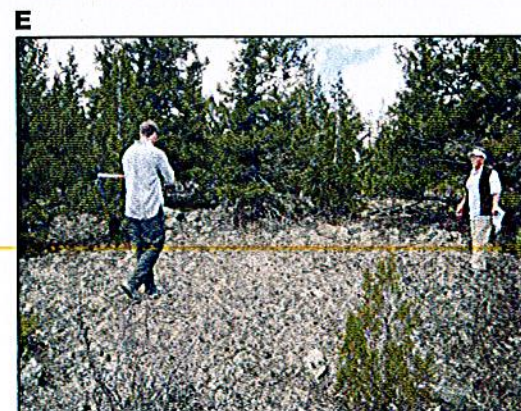
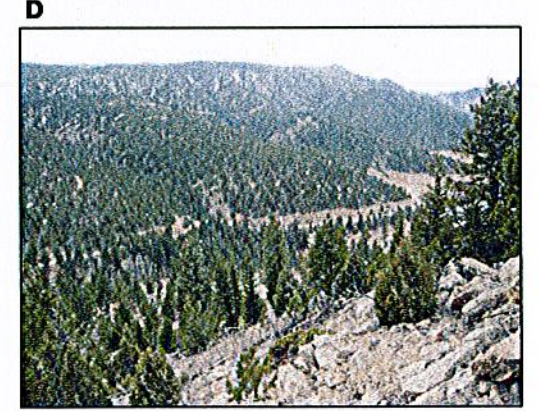
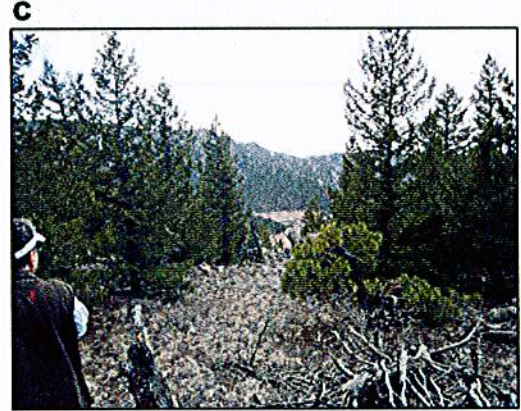
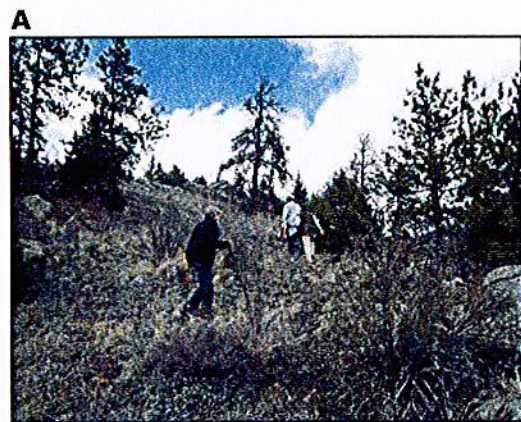
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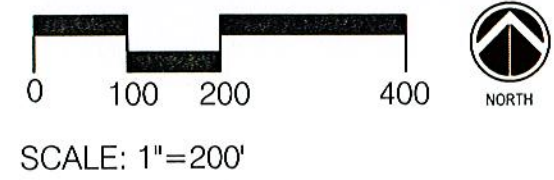


KEY:

- NEW WATER LEVEL
- PROPOSED SINGLE PICNIC TABLE WITH 100' BUFFER (5)
- EXISTING VEGETATION
- PROPOSED FISHING ACCESS (1)
- PROPOSED PARKING AREA (10 SPACES)
- PROPOSED HIKING TRAIL
- EXISTING ROAD
- PROPOSED SCENIC OVERLOOK (1)



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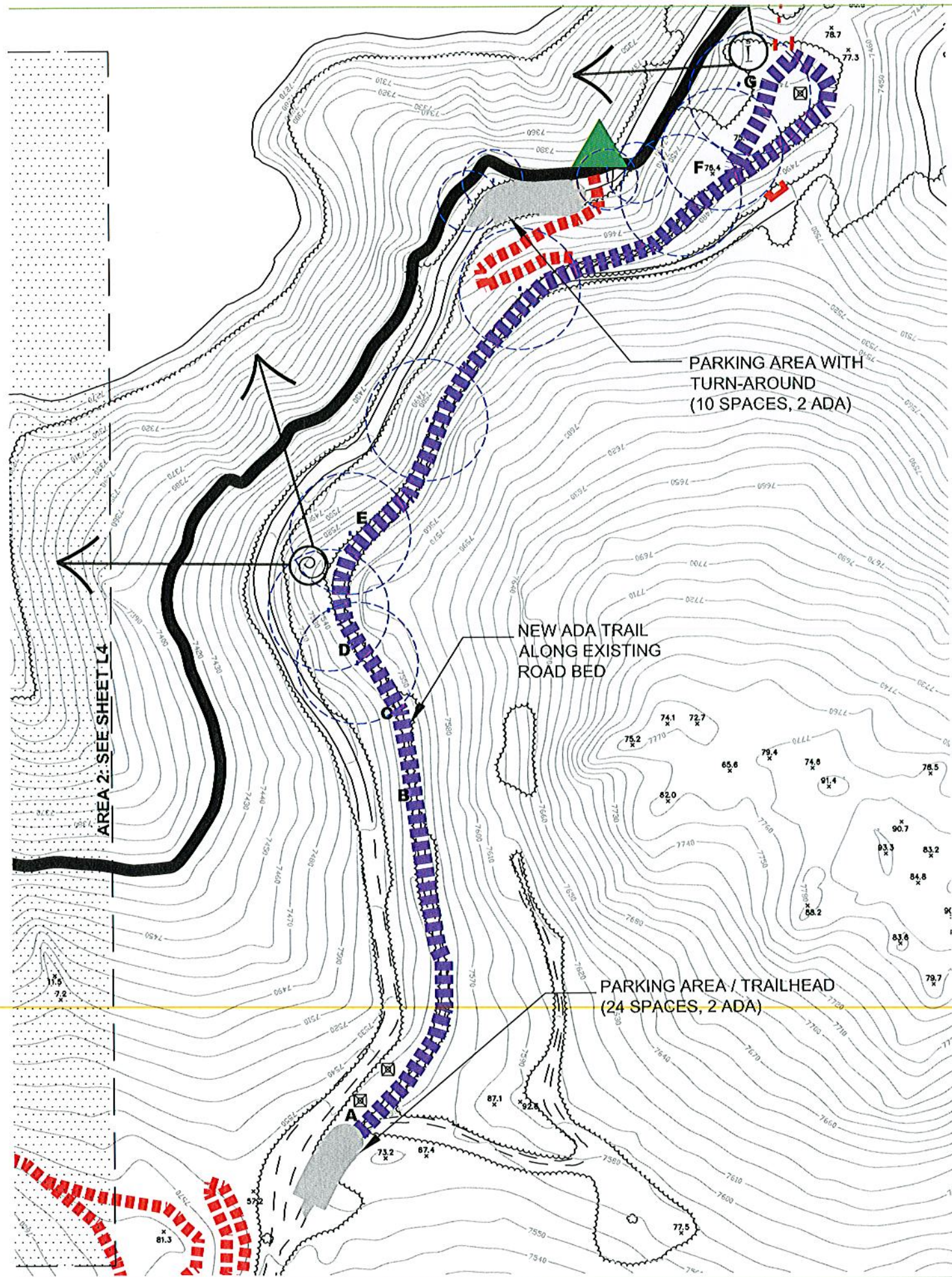
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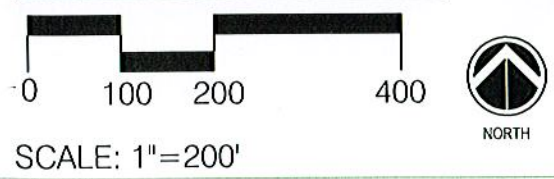
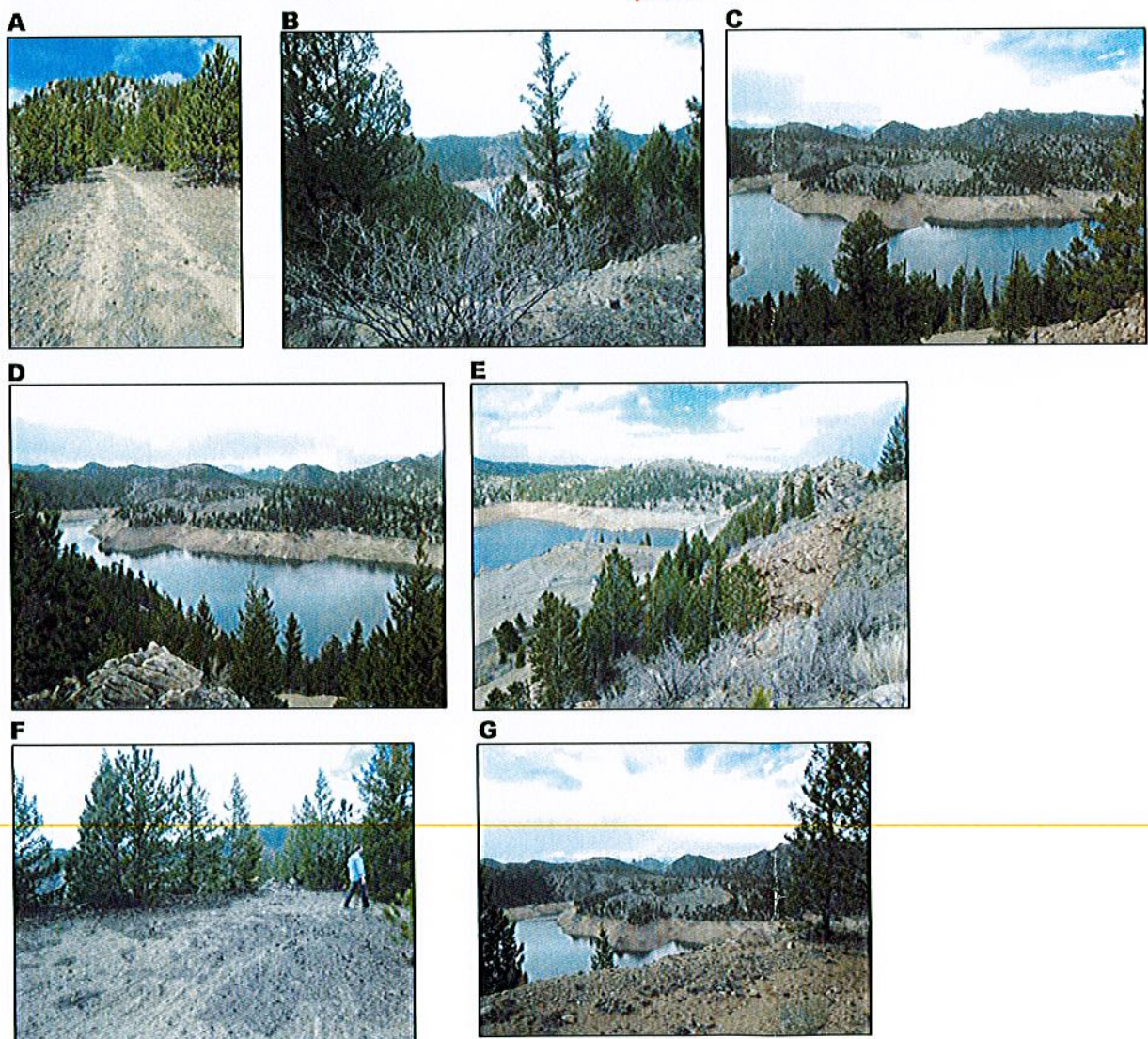
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Drawn By EP
Checked By JS
Date: 05.06.06
Sheet Title:
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CONCEPT
PLAN**
Sheet Number:

L4

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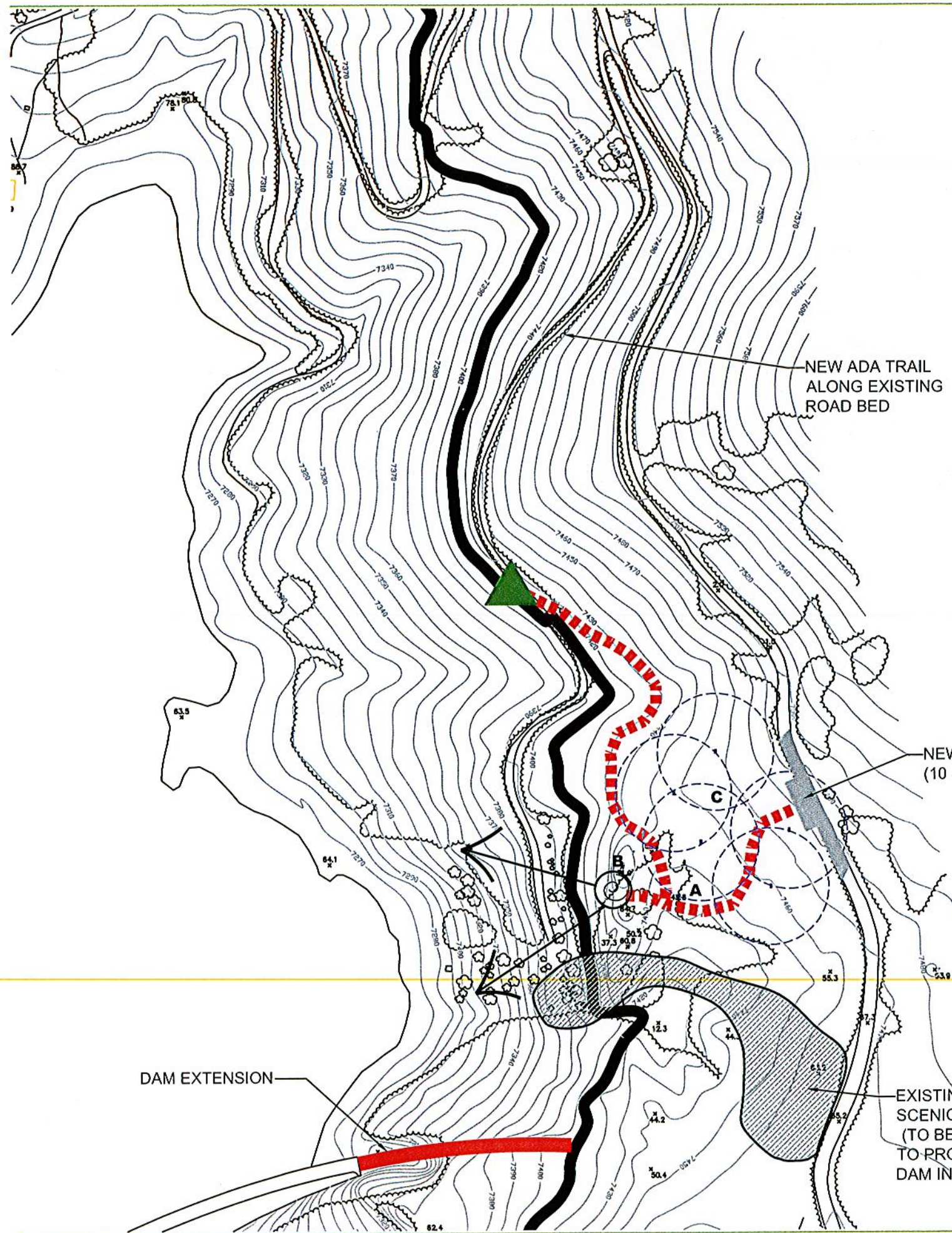
- KEY:**
- NEW WATER LEVEL
 - PROPOSED SINGLE PICNIC TABLE WITH 100' BUFFER (8)
 - PROPOSED SINGLE PICNIC TABLE WITH 50' BUFFER (4)
 - EXISTING VEGETATION
 - PROPOSED PARKING AREA (34 SPACES)
 - PROPOSED SCENIC OVERLOOK (1)
 - PROPOSED INTERPRETIVE OVERLOOK (1)
 - PROPOSED (RELOCATED) SMALL PICNIC SHELTER (3)
 - PROPOSED FISHING ACCESS (1)
 - PROPOSED HIKING TRAIL
 - PROPOSED MULTI-PURPOSE TRAIL (ADA)
 - EXISTING ROAD
 - HISTORIC STRUCTURES


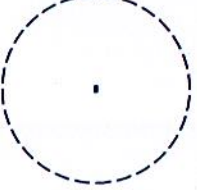
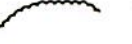
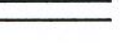







AREA 3 L5

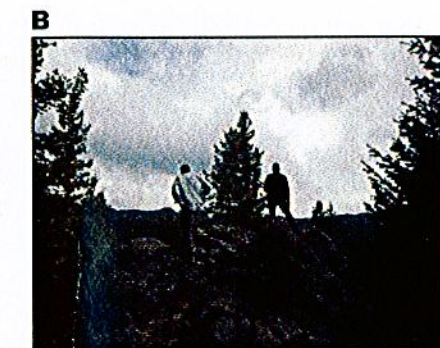
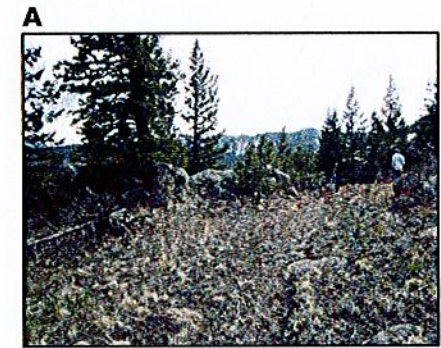
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Checked By: JS
Date: 05.08.08
Sheet Title:
-AREA 3-
CONCEPT
PLAN
Sheet Number:



- KEY:**
-  NEW WATER LEVEL
 -  SINGLE PICNIC TABLE WITH 100' BUFFER (5)
 -  EXISTING VEGETATION
 -  EXISTING ROAD
 -  LOCATION OF EXISTING INFRASTRUCTURE TO BE RELOCATED

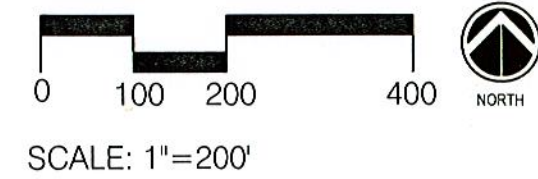
-  SCENIC OVERLOOK (1)
-  PROPOSED FISHING ACCESS (1)
-  HIKING TRAIL
-  PROPOSED PARKING AREA (10 SPACES)



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CONCEPT
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AREA 4 L6