**COMPLETE WATER SYSTEM ASSESSMENT & IMPROVEMENTS**

- Repair or replace of well pump and/or generator
- Replace water distribution system per 2013 sanitary survey
- Replace all hydrant & fountain connections in picnic area
- Develop O&M program, manual for system

**DISPERSE EXCAVATED MATERIALS & RESTORE STREAM CHANNEL**
GRADE INTO SITE, PROVIDE RESTORED CHANNEL ALONG LENGTH TO MOUTH IF SUFFICIENT SANDY SEDIMENTS ARE FOUND, RESTORE SWIMMING BEACH AREA

**REPAIR & PERSERVE SHELTER**
EXCAVATE MATERIAL SURROUNDING SHELTER, MATERIALS INCLUDE FINE SEDIMENTS (ON BOTTOM) TO COURSE GRAVELS (ON TOP) TOTAL DEPTH TO BE REMOVED 15-4 FT, APPROX 125-180 CY COMPLETE INVESTIGATION TO DETERMINE AMOUNT AND AREA TO BE EXCAVATED DEVELOP SITING GRADING PLAN MAKE REPAIRS TO ENSURE STRUCTURAL INTEGRITY OF SHELTER

**NEW ACCESSIBLE VAULT TOILET**
CONSIDER ALTERNATIVE WASTE MGT/DISPOSAL TECHNOLOGY

**RESTORE PICNIC AREA**
REPLACE ALL RETAINING WALLS GRADE SITE AND CONSTRUCT NEW RETAINING WALLS, STEPS, RAMPS, BENCHES, & ADA PICNIC TABLES

**NEW HYDRANTS (TYPICAL)**

**PROPOSED FUTURE CAMPSTIES**
HANGING FIRE RINGS, TENT PADS

**EXISTING VAULT TOILET**
REPLACE OR REPLACE IF NOT SATISFACTORY CONSIDER ALTERNATIVE WASTE MGT/DISPOSAL TECHNOLOGY

**NEW INTERPRETIVE AREA**
DEVELOP 2007 MERIWETHER FIRE & IMPACTS OF 2008 & 2009 FLOODS BURNED FOUNTAIN AND GRILL TO REMOVE

**RESTORE NATURAL DRAINAGE THROUGH PICNIC AREA**
CHANNEL, DRAINAGE IMPROVEMENTS FOR FUTURE FLOOD EVENTS

**EXISTING FLOATING DOCK & TOUR BOAT LANDING**
IMPROVED IN 2015

**HOLTER LAKE**
(MISSOURI RIVER)

**MANN GULCH INTERPRETIVE AREA (EXISTING)**

**EXISTING GUARD STATION CABIN**

**EXISTING 1500-GAL CISTERNS**

**EXISTING WATER WELL**

**MERIWETHER PICNIC AREA**

SIGNED: J. W. DAVIS, WATER SUPPLY ENGINEER

SIGNED: HYDROSOLUTIONS, INC.

CIVIL ENGINEERING SERVICES 2013-16

LEWIS AND CLARK NATIONAL FOREST

LEWIS AND CLARK COUNTY

GATES OF THE MOUNTAINS MERIWETHER PICNIC AREA CONCEPTUAL IMPROVEMENT PLAN