CAMP MASTER PLANNING | INFRASTRUCTURE

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PARAMETERS

- 750 Total people on camp
- Power distributed to desired areas of camp
- Potable water / wastewater to desired areas of camp
- End user convenience , serviceable, reliable
- All facilities are year-round with heating and cooling , not three season use
WATER

- 750 Total people on camp
- Municipal water would be preferred
  - Would require new services, meters, supporting plumbing
- Plumbing sizes would vary based on components being used, location, capacity, etc.
- All plumbing additions would be done in crimped pex tubing to support a reliable, serviceable connection / installation.
PEX IS CHEAPER THAN COPPER. HALF-INCH PEX TUBING COSTS ABOUT A THIRD THE PRICE OF COPPER.

PEX FITTINGS ARE FASTER TO INSTALL THAN COPPER.

A PEX SUPPLY WON’T CORRODE LIKE COPPER.
WASTEWATER

- Water Usage based on 750 people on camp
  - 50,000 Gallons per day
    - 32,500 Gallons Per day gray water
    - 17,500 Gallons per day black water

- Wastewater treatment style will have to be sized, zoned, maintained in a manner to support both on and off-season usage
  - On season usage of 50,000 Gallons per day
  - Off season usage of 25,000 Gallons per day
RESTROOMS

- 750 Total people on camp
- Restroom facilities support year-round use without draining lines or shutting down for winter
- Unisex, single use facilities
  - Single units can be taken offline for repair and service
  - Reduced quantity of restrooms needed by not separating by use
- Individual showers could be incorporated into design to eliminate separate shower facilities
  - Eliminates need for separate shower facilities for adults / youth, male/female
ELECTRICAL SERVICE

- 3 Phase power would be an ideal accommodation
  - Requires new power service, drops, meter, cable
- 3 Phase power would be provided to key areas
  - Dining hall / Kitchen
  - Pool
  - Waterfront
  - Maintenance compound
- 3 phase would be converted to single phase to provide power to remaining desired areas of camp
WAREHOUSE / STORAGE

▶ Modern pallet style shelving
  • Heavy duty
  • Taller
  • Adjustable
  • Safer

▶ Organization
  • Lift truck access
  • Inventory management

▶ Truck and trailer access

▶ Weather and critter proof
MAINTENANCE COMPOUND

- Modern design
- HVAC
- Steel construction
  - Drive through bays for vehicle and equipment
- Weather and critter proof
- 5-6 bay work areas

- Tool storage
  - Secure for camp tools
  - Secure place for properties committee
- Secure access / storage
  - Limited access
  - Security measures
CONVENIENCES

- Laundry facility
  - Coin operated?
- Defined roads
  - Asphalt
  - Limestone
  - Other media
- Signage
- Water runoff management
- Drainage