

RAS Engineering Solutions

University of Iowa Department of Civil and Environmental Engineering Chatfield Sanitary Collection & Treatment Proposed for Lee County

DESCRIPTION

This plan set contains designs for a sanitary collection system, septic system, and leach field for Chatfield campgrounds in Lee County, Iowa. A gravity fed system connects the 20 camp sites to a septic system and sand filter leach field.



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PROJECT: CEE: 4850

DATE : 5/8/2020

DRAWN BY: sss

REVISION:

THE UNIVERSITY OF IOWA
CIVIL AND ENVIRONMENTAL ENGINEERING

4105 SEAMANS CENTER FOR THE
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EMAIL: civil-hawks@iowa.edu

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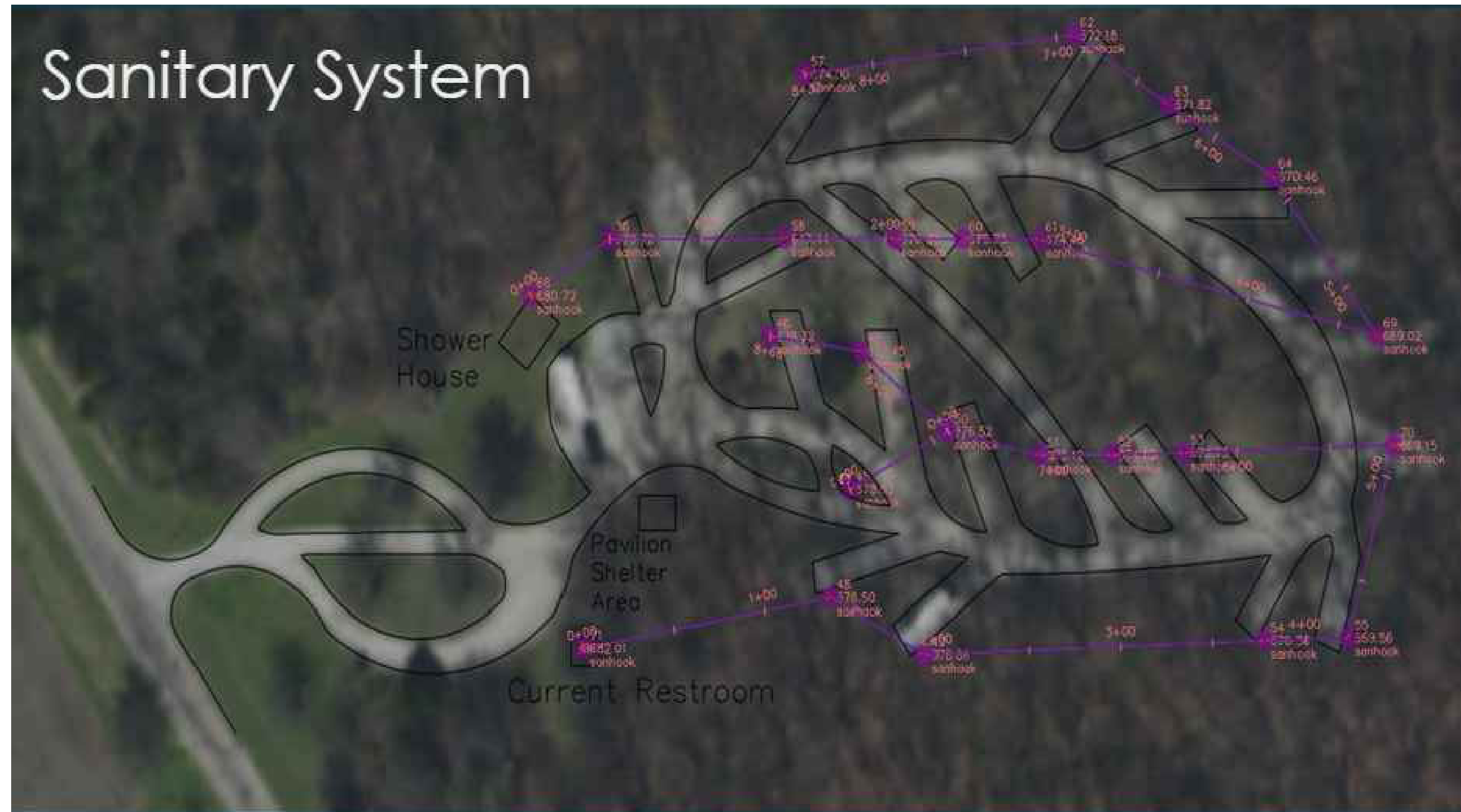
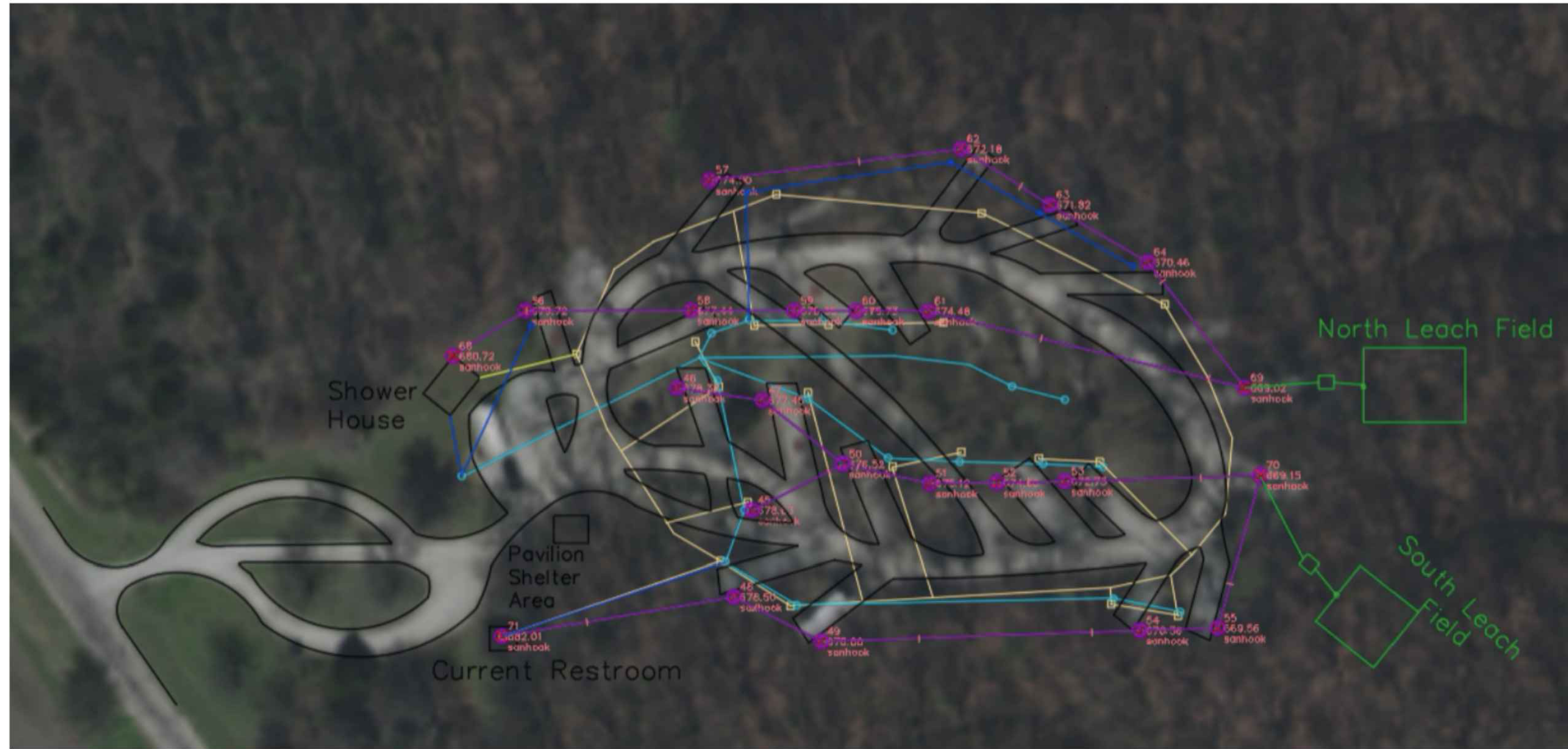
Chatfield Campground Upgrades

Sanitary Collection & Leach Field

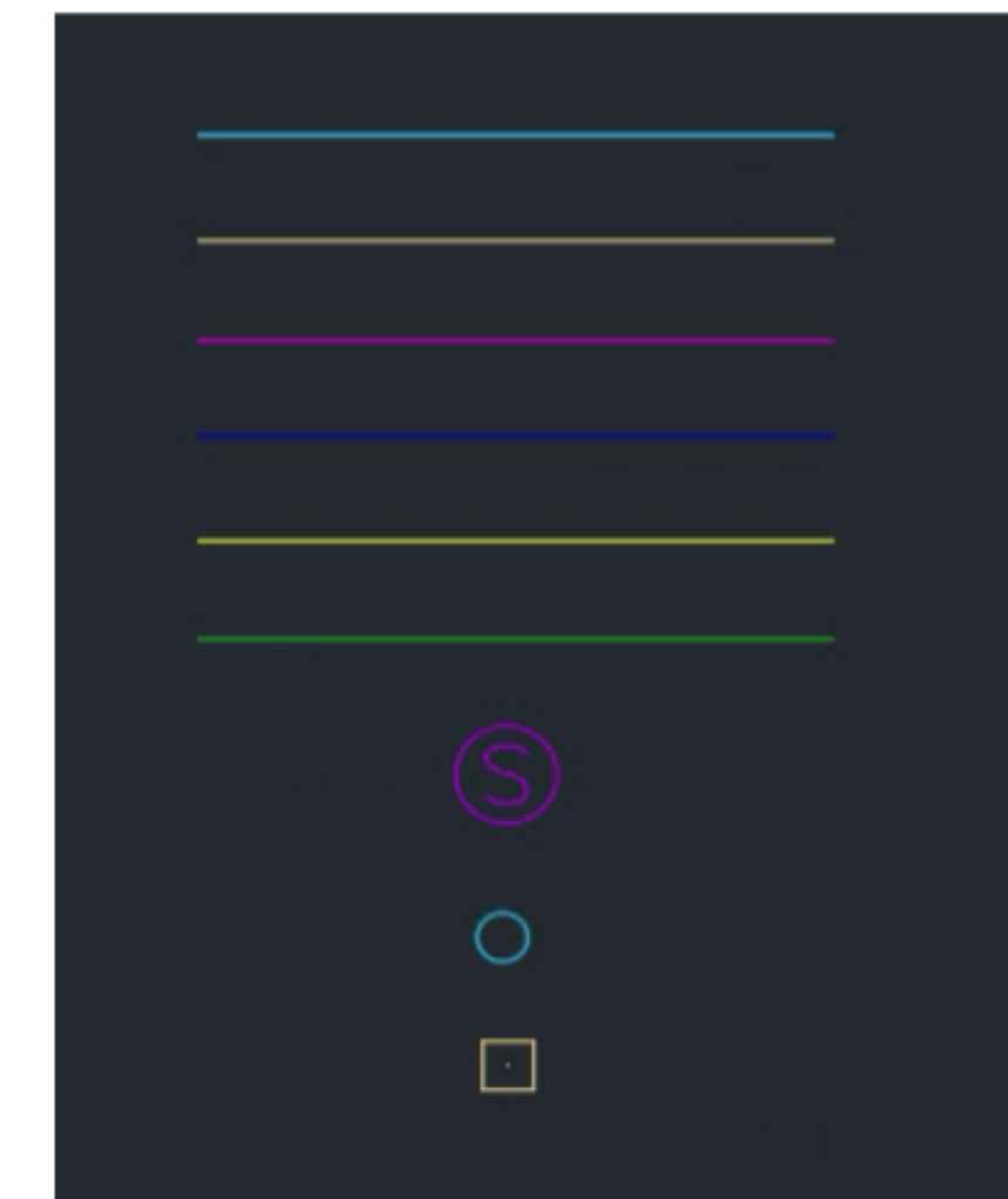
SHEET NAME

TITLE

SHEET NO.



Legend:



- Current Water Line
- Current Electric Line
- Proposed Sanitary Line
- Proposed Electric Line
- Septic Tank and Leach Field
- Sanitary Hook Up
- Water Hook up
- Electric Hook Up

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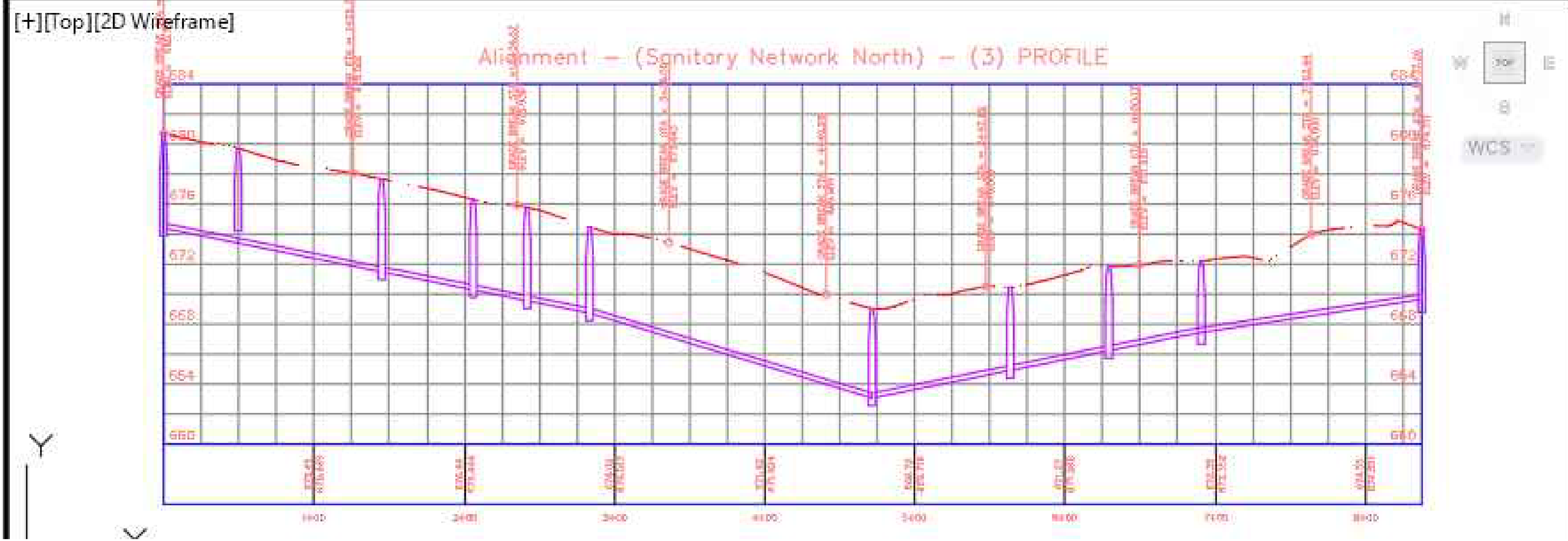
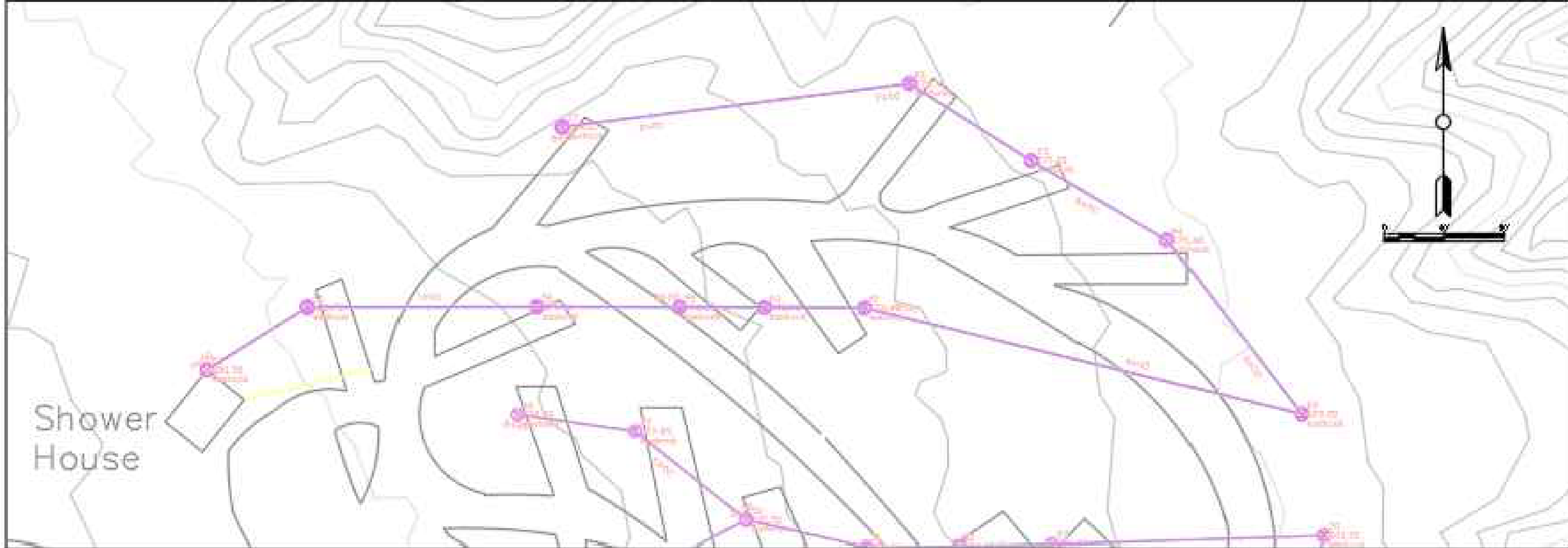
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PROJECT NAME
 Sanitary Collection & Leach Field

SHEET NAME
 Site Plan

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1



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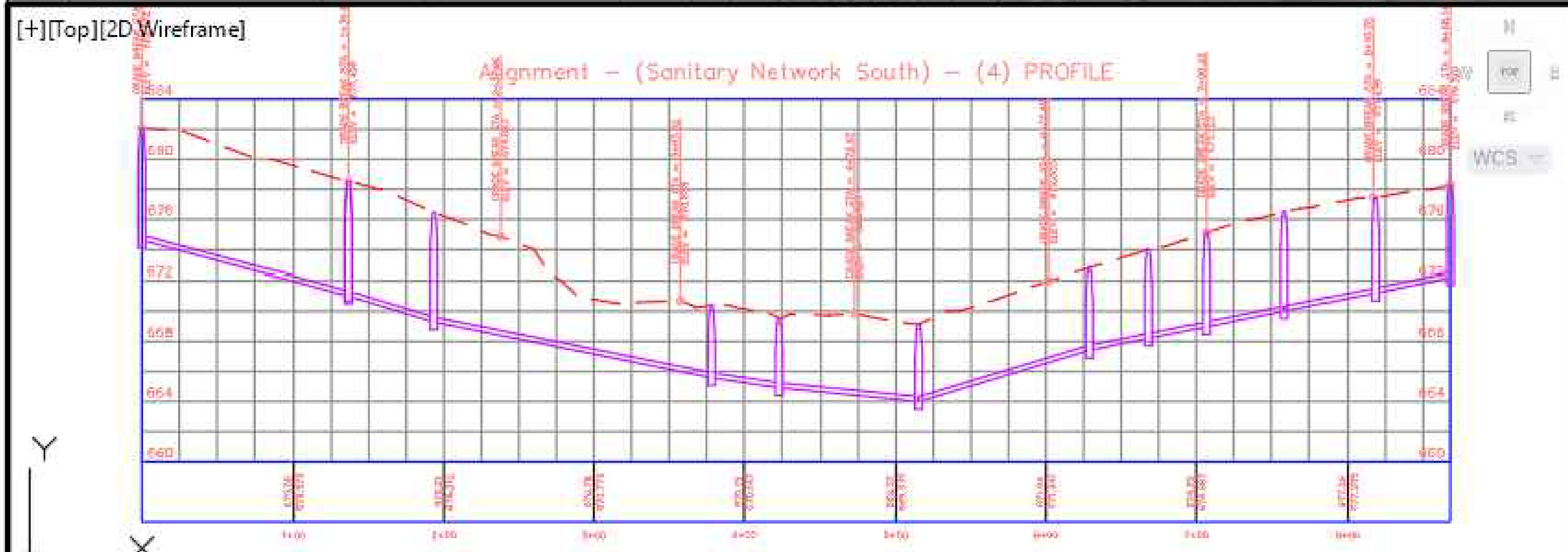
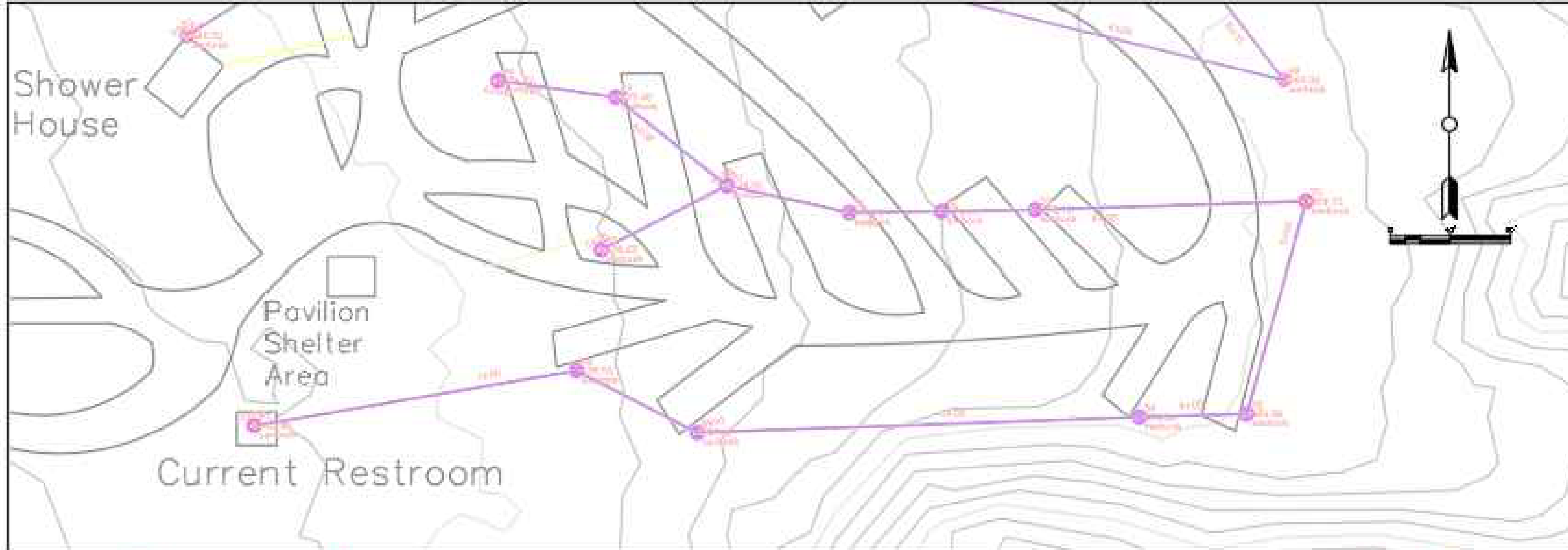
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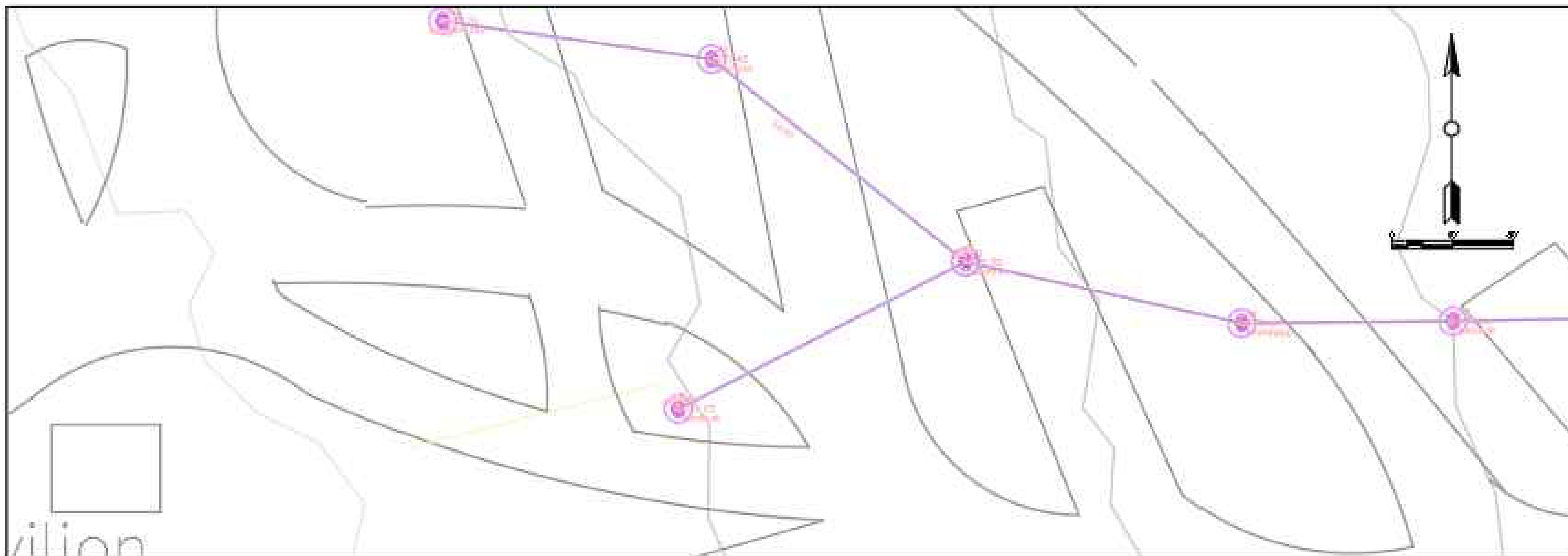
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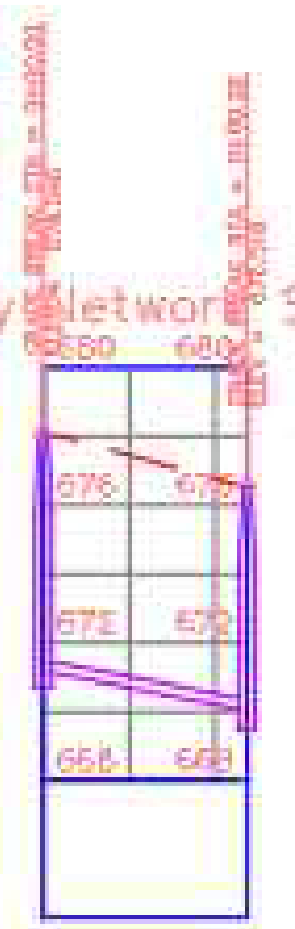
PROJECT NAME
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Alignment - (Sanitary Network South) - (5) PROFILE



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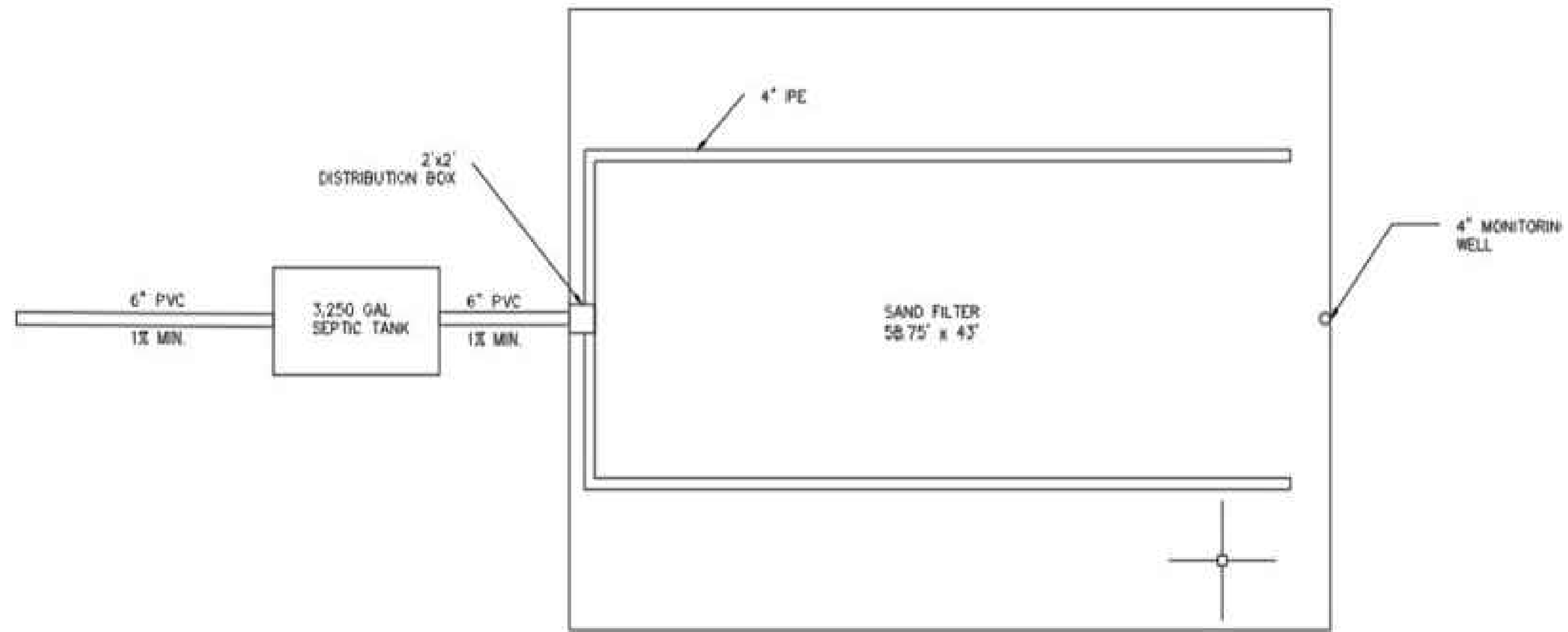
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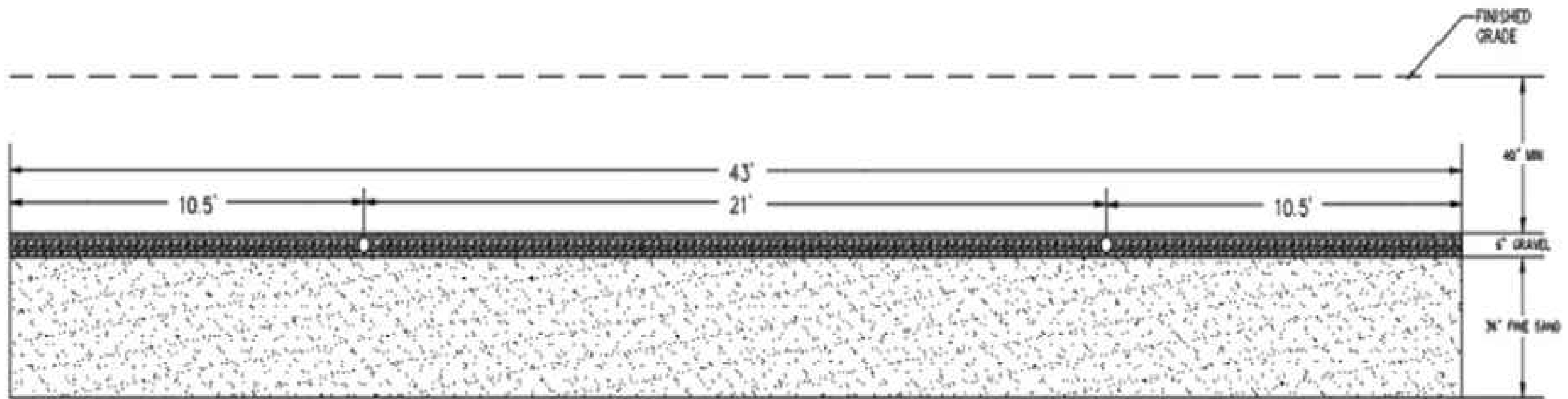
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NORTH LEACH FIELD PLAN VIEW



NORTH LEACH FIELD SECTION VIEW

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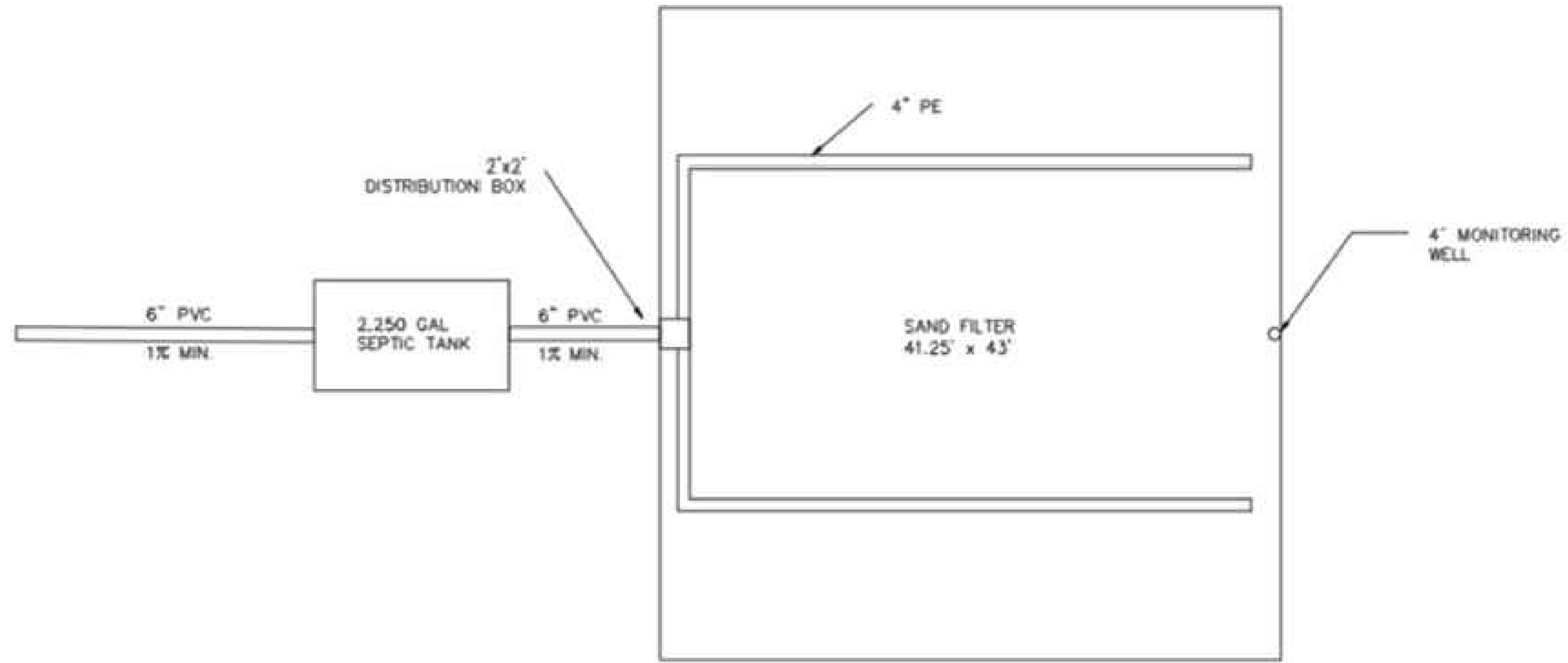
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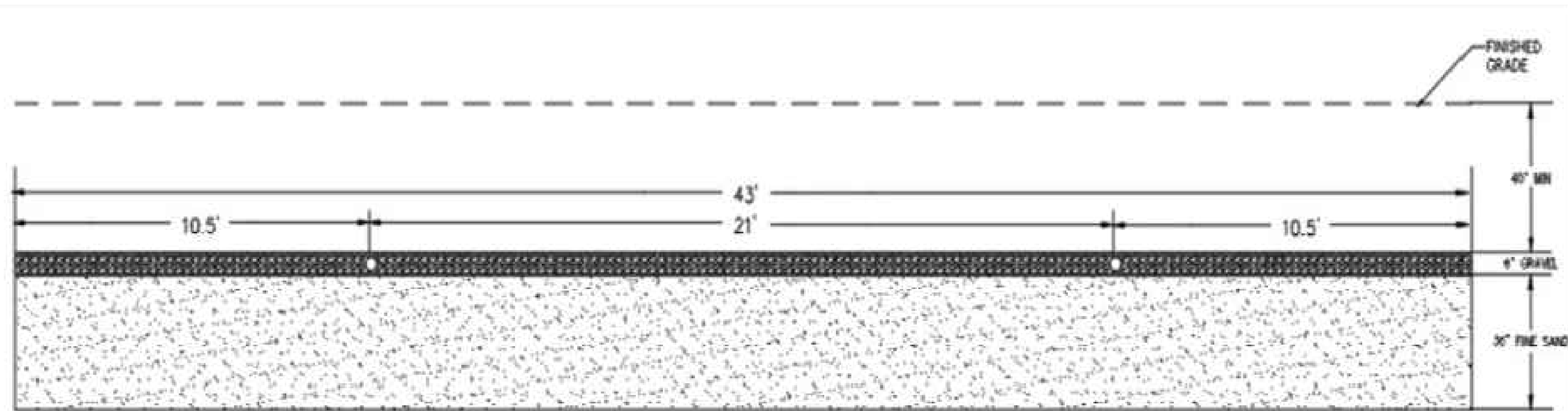
Sanitary Collection & Leach Field

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SOUTH LEACH FIELD PLAN VIEW



SOUTH LEACH FIELD SECTION VIEW

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1

RAS Engineering Solutions

University of Iowa Department of Civil and Environmental Engineering Chatfield Utilities Upgrades Proposed for Lee County

DESCRIPTION

This plan set contains preliminary drawings for water and electric utility additions to Chatfield campgrounds in Lee County, Iowa. Water was added to 5 of the 20 camp sites. Additionally, both utilities were added to the existing bathroom as well as the proposed shower house.

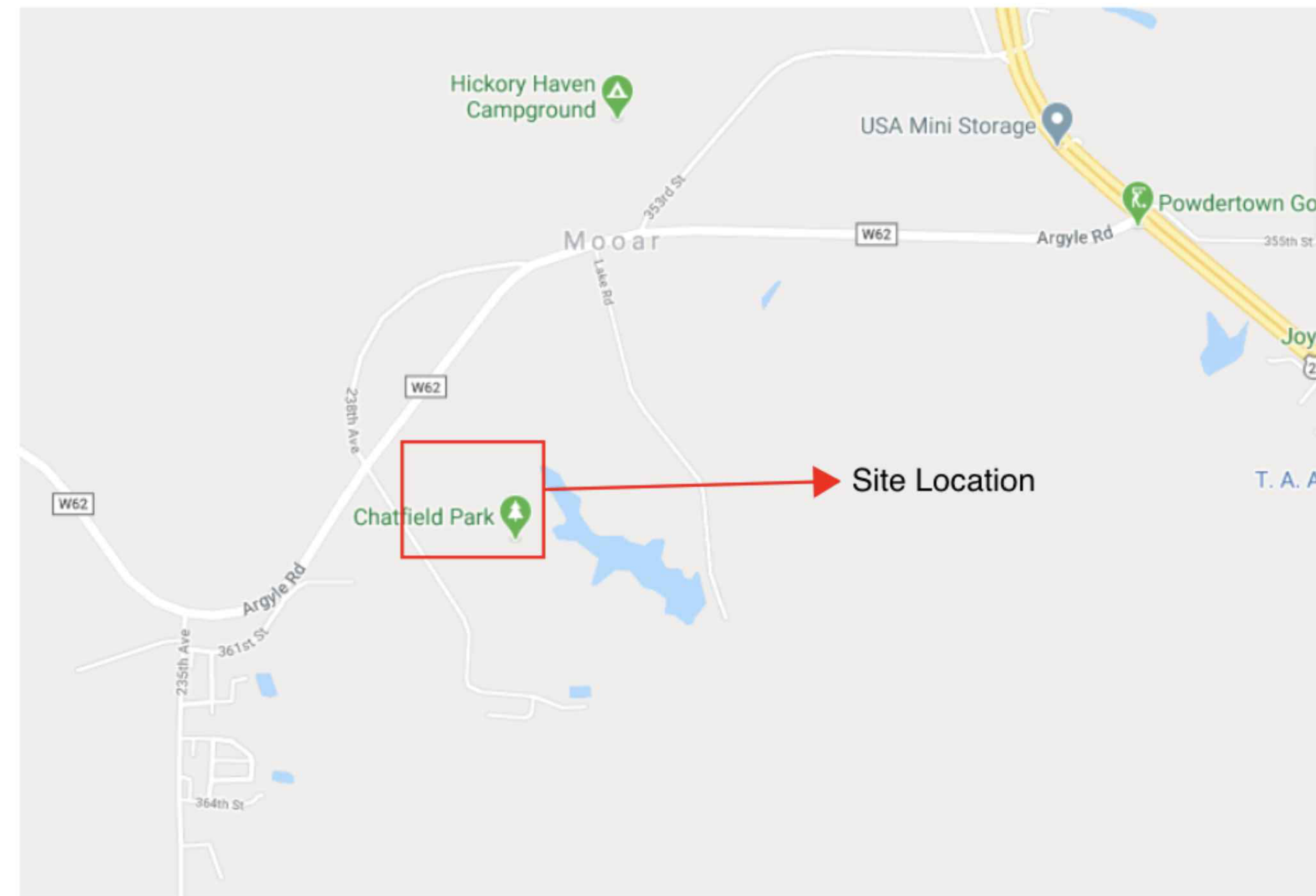


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DESIGN SPECS - 2

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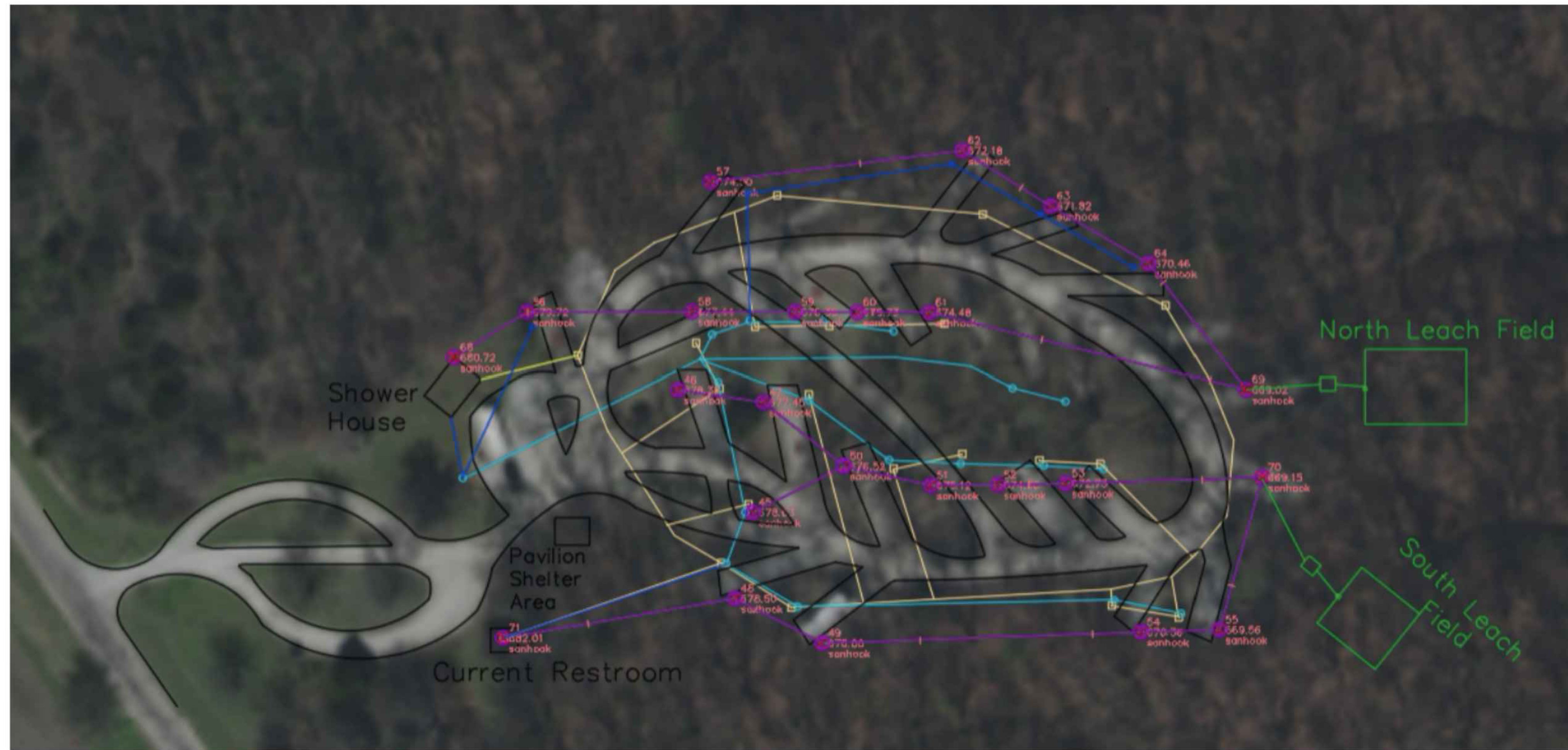
Chatfield Campground Upgrades

Utilities Upgrades

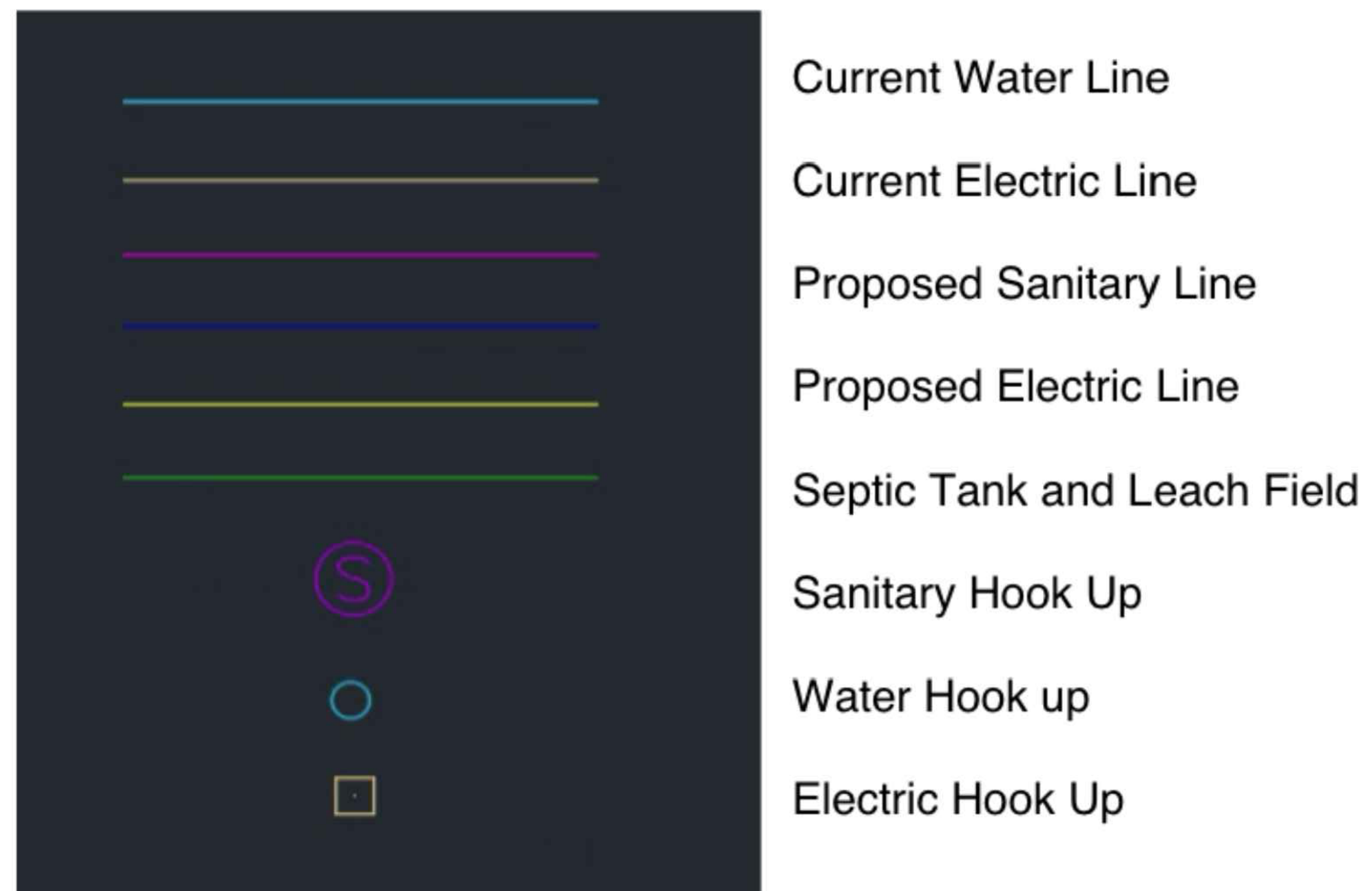
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Title Sheet

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Legend:



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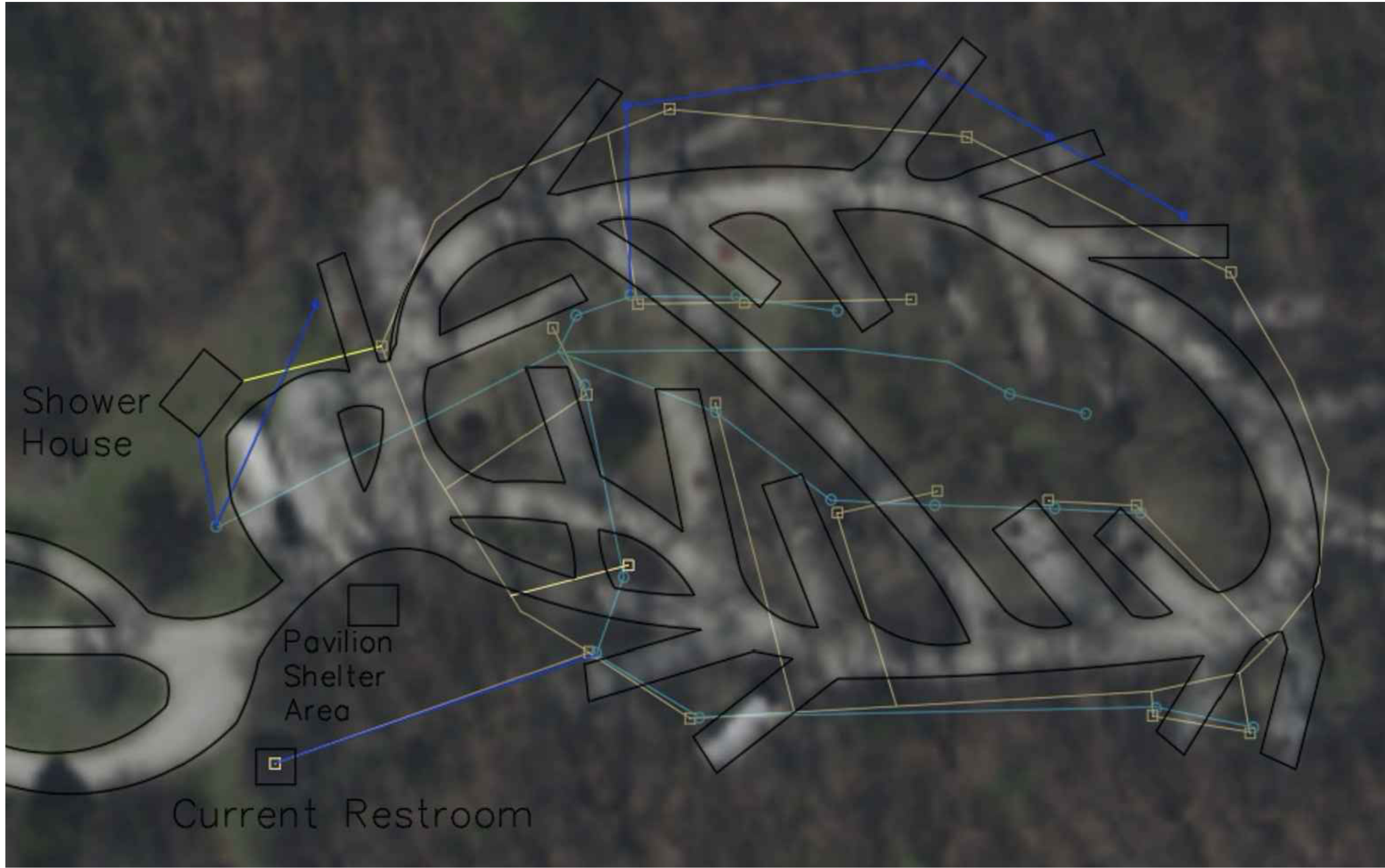
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Chatfield Campground Upgrades
 Utilities Upgrades

SHEET NAME
 Site Plan

SHEET NO.
1



DETAILS

CURRENT UTILITIES DEPTHS UNCERTAIN. EXPLORATORY DIG REQUIRED. TIE NEW UTILITIES TO THE OLD. MAINTAIN 18" VERTICAL SEPARATION BETWEEN WATER AND SANITARY. MAINTAIN UTILITIES BELOW FROST LINE (40" SE IOWA).

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Chatfield Campground Upgrades

Utilities Upgrades

SHEET NAME
 Design

SHEET NO.
2