



# GRANGER-HUNTER

IMPROVEMENT DISTRICT

Improving quality of life today – creating a better tomorrow

## Plan Submittal and Review Checklist

Version 1.3

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# Overview

This checklist is designed to assist in the development and submittal of Project Plans. Listed below are some of the design requirements set forth by Granger Hunter Improvement District (District). The checklist items are not intended to be the minimum required and do not constitute a comprehensive list. If you have a question not covered by this checklist, call the District’s Engineering Department at 801-968-3551 or e-mail us at [plans@ghid.org](mailto:plans@ghid.org).

## Plan Submittal Checklist

Action	Item
<input type="checkbox"/> Done <input type="checkbox"/> N/A	Submit plans on one sheet (if possible) with a horizontal scale no larger than 1: 50 (1"= 50') and a vertical scale no larger than 1 : 10 (1" = 10')
<input type="checkbox"/> Done <input type="checkbox"/> N/A	All files shall be submitted electronically in .pdf format to <a href="mailto:plans@ghid.org">plans@ghid.org</a> .
<input type="checkbox"/> Done <input type="checkbox"/> N/A	Final plans must be signed and stamped by a licensed professional engineer. (As Per Rule R156-22. Professional Engineers and Professional Land Surveyors Licensing Act Rule)
<input type="checkbox"/> Done <input type="checkbox"/> N/A	Place North arrow and scale on all sheets.
<input type="checkbox"/> Done <input type="checkbox"/> N/A	Illustrate all property lines
<input type="checkbox"/> Done <input type="checkbox"/> N/A	Note existing and proposed physical addresses.
<input type="checkbox"/> Done <input type="checkbox"/> N/A	Label all street names.
<input type="checkbox"/> Done <input type="checkbox"/> N/A	Locate and Label Public Right of Way Centerline.
<input type="checkbox"/> Done <input type="checkbox"/> N/A	Provide a vicinity map showing the project location on the cover sheet.
<input type="checkbox"/> Done <input type="checkbox"/> N/A	Note the project name on all sheets.
<input type="checkbox"/> Done <input type="checkbox"/> N/A	Provide a legend.
<input type="checkbox"/> Done <input type="checkbox"/> N/A	Provide a Blue Stakes stamp on the cover sheet.
<input type="checkbox"/> Done <input type="checkbox"/> N/A	Show proposed water lines in blue, sewer lines in green, and fire lines in red.
<input type="checkbox"/> Done <input type="checkbox"/> N/A	Provide Salt Lake County Benchmark
<input type="checkbox"/> Done <input type="checkbox"/> N/A	Indicate on plans all existing water and sewer infrastructure and note intent of use. Example: Water meter is to be abandoned at the main per District requirements. Water meter is to be reconnected in accordance with District requirements. Sewer main is to be protected and remain in place for continued use.
<input type="checkbox"/> Done <input type="checkbox"/> N/A	Indicate on plans all existing and proposed building footprints.
<input type="checkbox"/> Done <input type="checkbox"/> N/A	Indicate on plans all existing and proposed utility easements.
<input type="checkbox"/> Done <input type="checkbox"/> N/A	All commercial plans, including tenant improvements, must have indoor plumbing plans.

## Plan Review Checklist - Water

### Water Valves

- Done  N/A Maximum spacing for isolation valves shall not exceed 500 feet for commercial developments.
- Done  N/A Maximum spacing for isolation valves shall not exceed 800 feet or one block for residential developments.
- Done  N/A Design isolation valves at all street and/or water main intersections.
- Done  N/A For Master Metered developments, each building shall require a curb stop behind the curb, sidewalk or adjacent to building.

### Fire Hydrants

- Done  N/A Maximum spacing for all fire hydrants shall not exceed 500 feet.
- Done  N/A Design all fire hydrant isolation valves to be connected at the main.

### Water Mains

- Done  N/A Indicate on plans the diameter and pipe material for all proposed water mains. All water mains connected to hydrants shall be 8-inch minimum diameter.
- Done  N/A Indicate on plans the size and type of all water main fittings.
- Done  N/A Indicate ownership of all water lines (i.e. public or private).
- Done  N/A Note mega lug restraints or equivalent are required at all water main tees and bends per District specifications.
- Done  N/A Note concrete thrust blocking is required at all water main tees and bends per District specifications.
- Done  N/A All water mains and laterals shall maintain a minimum separation of ten (10) horizontal feet and 18 inches (2) vertical feet from all sewer lines. All water and sewer line crossings shall conform to the Typical Conflict Resolution detail in GHID Material and Construction Specifications.
- Done  N/A Water laterals shall not be tapped onto fire lines.
- Done  N/A All dead-end water mains shall be provided with either a blow-off or fire hydrant.

### Water Meters

- Done  N/A Indicate on plans the appropriate size and location of all existing and proposed water meters.
- Done  N/A Design water meters at adjoining property lines centered in the park strip or within one foot from TBC in accordance with District specifications.
- Done  N/A All industrial and commercial sewer users required to install a grease/oil/sand interceptor shall also install a landscape meter unless deemed unnecessary by District Engineering.
- Done  N/A Projects are limited to 2 main meters and 2 water only meters per parcel. Any landscaping back-out meters need to be sized smaller than the Main meter feeding it.

Commented [IB1]: Added 12/5/18 As per Marinda

# Plan Review Checklist - Wastewater

## Sewer Mains

- Done  N/A Indicate on plans the diameter and pipe material for all proposed sewer mains.
- Done  N/A Indicate on plans the diameter, invert elevation, and rim elevation of all existing and proposed sewer manholes.
- Done  N/A Indicate on plans the diameter, location and grade of all proposed sewer laterals.
- Done  N/A Indicate ownership of all sewer lines (i.e. public or private).
- Done  N/A Maximum spacing for all sewer manholes shall not exceed 400 feet.
- Done  N/A End all sewer mains with a manhole or cleanout.

## Sewer Laterals

- Done  N/A Design an exterior lateral cleanout within five feet from all building connections.
- Done  N/A Maximum spacing for all 4 inch cleanouts shall not exceed 60 feet (4 inch Sewer Laterals).
- Done  N/A Maximum spacing for all 6 inch cleanouts shall not exceed 100 feet (6 inch Sewer Laterals).
- Done  N/A Indicate on plans the proposed grade of all sewer laterals.

## Sewer Commercial and Industrial Users (See Granger-Hunter Improvement District Wastewater Control Rules and Regulations Section 8.1.3 for definitions)

- Done  N/A Submit a Central Valley Water Reclamation Facility Industrial Waste Survey Questionnaire for review.
- Done  N/A All establishments that permit the discharge of fat, oil, grease, or sand (FOGS) into the sewer system shall install a 1,000 gallon (minimum) interceptor and a sampling manhole per District specifications and provide sizing calculations from Engineer.
- Done  N/A Sampling manholes and grease interceptors shall be placed where they are permanently accessible.

## General Notes - Water

### (Required on All Projects)

- |  |   |
|--|---|
| <input type="checkbox"/> Done <input type="checkbox"/> N/A | Project shall comply with all Granger-Hunter Improvement District specifications and requirements.  |
| <input type="checkbox"/> Done <input type="checkbox"/> N/A | Project shall comply with all Utah Division of Drinking Water rules and regulations including, but not limited to, those pertaining to Backflow Protection and Cross Connection Prevention. |

### (Required on All Projects which include work in the Public Right of Way)

- |  |   |
|--|---|
| <input type="checkbox"/> Done <input type="checkbox"/> N/A | All construction in the Culinary Waterline and Sanitary Sewer Line pipe zone shall comply with all Granger-Hunter Improvement District specifications and requirements. |
|--|---|

## General Notes - Wastewater

### (Required for projects relating to commercial and industrial sewer users)

**Add these notes to the plan if the project is required to install a grease interceptor or has an existing grease interceptor and is required to connect to it.**

- |  |  |
|--|--|
| <input type="checkbox"/> Done <input type="checkbox"/> N/A | It is the contractor's responsibility to verify the location of all grease and sanitary sewer lines before any connection is made. |
| <input type="checkbox"/> Done <input type="checkbox"/> N/A | A dye test of the sanitary and grease sewer lines is required and shall be conducted prior to District Final acceptance.           |

**Add this note to the plan if the project has no grease interceptor, or if the project has a grease interceptor but is not required to connect to it.**

- |  |   |
|--|---|
| <input type="checkbox"/> Done <input type="checkbox"/> N/A | At the time of the GHID Final Review of these plans, this project was not categorized as an industrial user. However all Fats, Oils, Grease, and Sands Dischargers shall be connected to an outdoor 1,000 gallon (minimum) Grease Interceptor and Sampling Manhole. Only one Sampling Manhole is allowed per parcel owner, or culinary water meter and bill. Therefore, should this project be modified or its use changed, GHID may require pretreatment infrastructure be installed at the sole cost of the parcel owner. |
|--|---|

**Add these notes to the plan if the project has a grease interceptor but is not required to connect to it.**

- |  |  |
|--|--|
| <input type="checkbox"/> Done <input type="checkbox"/> N/A | It is the contractor's responsibility to verify the location of all grease and sanitary sewer lines before any connection is made. |
| <input type="checkbox"/> Done <input type="checkbox"/> N/A | The contractor shall not connect to any building grease lines.   |
| <input type="checkbox"/> Done <input type="checkbox"/> N/A | A dye test of the sanitary and grease sewer lines is required and shall be conducted prior to District Final acceptance.           |