



GRANGER - HUNTER IMPROVEMENT DISTRICT

CULINARY WATER AND SANITARY SEWER SERVICE

Inspection Requirements

1. **Original** \$5,000.00 License and Permit Bond **required**. Faxed copies are not accepted.

2. **Original** General Liability Insurance Certificate **required**. Faxed copies are not accepted.
\$500,000.00 Minimum coverage for work being performed within private property.
\$1,000,000.00 Minimum coverage for work being performed within a public right of way.
Granger-Hunter Improvement District (GHID) shall be named as the Certificate Holder and Additional Insured.

3. **Original** Workers Compensation and Employer's Liability Certificate, or a State of Utah approved waiver **required**. Alternatively, this coverage may be shown on the original General Liability Insurance Certificate. Faxed copies are not accepted.

4. Work may commence when the following items are completed:
 - GHID has been provided with the contractors License and Permit Bond, General Liability Insurance Certificate, Workers Compensation and Employer's Liability Certificate or a State of Utah approved waiver.
 - Project has a "GHID Final Review" drawing.
 - All applicable connection and/or inspection fees are paid in full.
 - All preconstruction requirements have been satisfied.

5. 24-hour notice is required for all inspections. GHID inspection hours are from 9:00AM to 4:30PM Monday and Friday, and from 7:00AM to 4:30PM Tuesday, Wednesday and Thursday. Call as soon as possible for inspection cancellations and/or delays, as additional inspection fees may be assessed if a GHID representative is dispatched and the job is not inspection ready. Please be aware leaving a voice mail message to schedule an inspection does not guarantee a scheduled inspection.

PLEASE NOTE: It is the contractors sole responsibility to comply with all State of Utah, Salt Lake County, West Valley City and GHID requirements and specifications. For GHID requirements and specifications please visit us at our office, go to our website, or contact our Engineering Department.

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
09/13/2005

PRODUCER	THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.	
INSURED	INSURERS AFFORDING COVERAGE	NAIC #
	INSURER A:	
	INSURER B:	
	INSURER C:	SB
	INSURER D:	
	INSURER E:	

COVERAGES

THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. AGGREGATE LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	ADD'L INSRD	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	LIMITS
A		GENERAL LIABILITY		02/05/2005	02/05/2006	EACH OCCURRENCE \$ 1,000,000
		<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY				DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 300,000
		<input type="checkbox"/> CLAIMS MADE <input checked="" type="checkbox"/> OCCUR		/ /	/ /	MED EXP (Any one person) \$ 5,000
				/ /	/ /	PERSONAL & ADV INJURY \$ 1,000,000
				/ /	/ /	GENERAL AGGREGATE \$ 2,000,000
			GEN'L AGGREGATE LIMIT APPLIES PER:	/ /	/ /	PRODUCTS - COMP/OP AGG \$ 2,000,000
			<input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC			
B		AUTOMOBILE LIABILITY		02/05/2005	02/05/2006	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000
		<input checked="" type="checkbox"/> ANY AUTO		/ /		BODILY INJURY (Per person) \$
		<input type="checkbox"/> ALL OWNED AUTOS				BODILY INJURY (Per accident) \$
		<input type="checkbox"/> SCHEDULED AUTOS				PROPERTY DAMAGE (Per accident) \$
		<input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> NON-OWNED AUTOS				
		GARAGE LIABILITY				AUTO ONLY - EA ACCIDENT \$
		<input type="checkbox"/> ANY AUTO				OTHER THAN EA ACC \$
						AUTO ONLY: AGG \$
C		EXCESS/UMBRELLA LIABILITY		12/20/2004	12/20/2005	EACH OCCURRENCE \$ 2,000,000
		<input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> CLAIMS MADE				AGGREGATE \$ 2,000,000
		<input type="checkbox"/> DEDUCTIBLE				\$
		<input checked="" type="checkbox"/> RETENTION \$ 10,000				\$
						\$
B		WORKERS COMPENSATION AND EMPLOYERS' LIABILITY		02/05/2005	02/05/2006	<input checked="" type="checkbox"/> WC STATUTORY LIMITS <input type="checkbox"/> OTHER
		ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? If yes, describe under SPECIAL PROVISIONS below		/ /		E.L. EACH ACCIDENT \$ 100,000
						E.L. DISEASE - EA EMPLOYEE \$ 100,000
						E.L. DISEASE - POLICY LIMIT \$ 500,000
		OTHER		/ /	/ /	
				/ /	/ /	
				/ /	/ /	

DESCRIPTION OF OPERATIONS/LOCATIONS/VEHICLES/EXCLUSIONS ADDED BY ENDORSEMENT/SPECIAL PROVISIONS

<p>CERTIFICATE HOLDER</p>	<p>CANCELLATION</p> <p>SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING INSURER WILL ENDEAVOR TO MAIL <u>30</u> DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO DO SO SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE INSURER, ITS AGENTS OR REPRESENTATIVES.</p> <p>AUTHORIZED REPRESENTATIVE</p>
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April 27, 2006

GRANGER-HUNTER IMPROVEMENT DIS
2888 SO. 3600 W.
WEST VALLEY CITY UT 84119

CERTIFICATE OF INSURANCE

This will certify that:

Policy Number

has an active Workers Compensation and Employers Liability policy in accordance with the provisions of the Utah Workers Compensation Act for the period 5/7/2005 to 5/7/2006 at 12:01 A.M.

If the policy is cancelled prior to the policy expiration date of 5/7/2006 you will be notified.

Employer's Liability:

	Each Accident:	100,000
Disease -	Policy Limit:	500,000
	Each Employee:	100,000

**WORKERS COMPENSATION &
EMPLOYERS LIABILITY CERT.
SAMPLE ONLY**





GRANGER-HUNTER IMPROVEMENT DISTRICT

CULINARY WATER AND SANITARY SEWER

Culinary Water Preconstruction Agenda

1. **Construction:** All construction in the pipe zone shall follow Granger-Hunter Improvement District (GHID) and APWA standards, specifications, and requirements.
2. **Bond's and Insurance:** Prior to work commencing, GHID shall be provided with the Contractor's Bond and Insurance, the Developer Performance Bond, all applicable Engineering Fees, and the Line Extension Agreement.
3. **Cut Sheets:** GHID shall be provided with cut sheets and adequate survey stakes must be installed prior to waterline construction. Waterlines shall be installed with 4' of cover, from top of pipe to top of finish asphalt grade.
4. **Mainline Shutdowns:** Notice prior to any non-emergency mainline shutdown: GHID's Project Manager shall be given a minimum of 48-hours and GHID customers shall be given a minimum of 24-hours. Mainline shutdowns shall be scheduled on Tuesday's, Wednesday's, or Thursday's no earlier than 8:30 a.m. and no later than 10:00 a.m., unless otherwise approved by the GHID Project Manager.
5. **Type of Pipe:** PVC C-900 SDR 18 with electrical tracer wire (#14 insulated solid copper), Cast Iron, or Ductile Iron pipe is acceptable, unless otherwise specified by GHID. Cast and Ductile Iron pipe is required to be cathodically bonded at all joints and tube wrapped in 8-mil. plastic.
6. **Pipe Zone:** 6" of bedding under and 12" of backfill on sides and above all mainlines, fittings, and fire hydrants. Dry Ground: bedding and backfill shall be select sand. Wet Ground: acceptable bedding and backfill types are 3/4" minus and/or crushed stone. Bedding shall be compacted to 95% minimum ASTM D-1557.
7. **Above Pipe Zone:** Backfill and compaction above the pipe zone is regulated and inspected by West Valley City.
8. **Fire Hydrants and Mainline Fittings:** Acceptable fire hydrant types are Waterous, Mueller, or Clow (16" minimum barrel or standpipe). Fire hydrant valves shall be connected to a flange tee in the road. Piping to hydrant(s) shall be Cast or Ductile Iron flange spool(s), or PVC with Mega-Lug retainer(s). All fittings bolts are to be FM greased, or waxed. All Ductile or Cast Iron fittings shall be wrapped in 8-mil. plastic and duct taped tight. Bends, tees, and hydrants shall be thrust blocked according to GHID specifications and requirements.
9. **Testing:** Chlorine may either be placed into each pipe, or pumped into waterline while being filled. After filling, allow waterline to stand for 24-hours and then flush. After flushing, a 200-psi Pressure Test is required for 2-hours. Contractor shall notify the GHID Project Manager after the line is pumped to 200-psi and holding. The GHID Project Manager will then field verify and monitor the pressure test for 2-hours. After the Pressure Test passes, a Bacteriological Test is required and shall be taken by the GHID Project Manager. Mainline connections shall remain off until Bacteriological Test results are confirmed negative.
10. **Water Meters and Service Lines:** Direct and saddled taps may be installed while mainline is pressurized and shall have the required blocking under the corporation stop. Tapping saddles shall be FM greased, or waxed, wrapped in 8-mil. plastic, and duct taped tight. All services shall be type "K" copper only with all flared fittings and installed 10' past property line. Meter box shall be centered in the park strip if applicable, or installed with the front edge of meter box 6" to 1' behind sidewalk, with 9-1/2" yokes (3/4"- FORD 4502 or MUELLER H5020) for 7 1/2" meters and recessed meter lids (FORD A32-T or D. L. SUPPLY L-2241H). 2" x 4" studs shall be installed as service markers at least 3' above ground level. With mainline pressurized, before backfilling occurs all service lines and taps shall be inspected.
11. **Preliminary Acceptance:** A preliminary letter of acceptance will be issued after: waterlines have been cleaned, flushed, tested and approved, all waterlines and fire hydrants are pressurized within the project for fire protection, and as-built drawings spatially referenced to NAD 1983 State Plane Utah Central FIPS 4302 (feet) and tied to the nearest existing Salt Lake County benchmark monument on Mylar/Vellum are provided, by contractor, to GHID. Note: Contractors as-built information on water service lines shall be tied to at least one property corner for each service.
12. **Final Acceptance:** A final letter of acceptance will be issued after: asphalt has been installed, valve boxes are clean and to grade with "State Mix Approved" concrete aprons, fire hydrants are to grade and appropriately painted, Bill of Sale is signed, notarized and returned to GHID office, all items on Final Punch List have been inspected and approved, the revised as-built drawings are plotted on Mylar/Vellum and provided, by contractor, to GHID (if applicable), and a DWG as-built drawing file is copied to disk and provided to GHID.



GRANGER-HUNTER IMPROVEMENT DISTRICT

CULINARY WATER AND SANITARY SEWER

Sanitary Sewer Preconstruction Agenda

1. **Construction:** All construction in the pipe zone shall follow Granger-Hunter Improvement District (GHID) and APWA standards, specifications, and requirements.
2. **Bond's and Insurance:** Prior to work commencing, GHID shall be provided with the Contractor's Bond and Insurance, the Developer Performance Bond, all applicable Engineering Fees, and the Line Extension Agreement.
3. **Cut Sheets:** GHID shall be provided with cut sheets and adequate survey stakes must be installed prior to sewer mainline construction.
4. **Type of Pipe:** PVC SDR-35 (13 foot lengths only for mainlines), Concrete, or Clay pipe is acceptable, unless otherwise specified by GHID.
5. **Pipe Zone:** 6" of bedding under and 12" of backfill on sides and above all mainlines, manholes and laterals. Bedding and backfill shall be 3/4" minus, or crushed stone. Bedding shall be compacted to 95% minimum ASTM D-1557.
6. **Above Pipe Zone:** Backfill and compaction above the pipe zone is regulated and inspected by West Valley City.
7. **Manholes:** All manholes more than 4' deep shall have coated steps and an eccentric cone. In accordance with APWA Standard Plan No. 412, all manholes must have an invert cover installed during construction. No more than 12" of risers are to be used to raise manhole ring and covers. In the event a ring and cover is more than 12" below finish grade, an appropriately sized manhole section must be installed.
8. **Laterals:** Test tees are required on the ends of all laterals. 2" x 4" studs shall be installed as lateral markers at least 3' above ground level. All laterals must be installed 10' past property line. All laterals must be inspected before backfilling occurs.
9. **Connections:** New connections to existing lines are not allowed until approval to do so has been given by the GHID Project Manager.
10. **Infiltration:** No infiltration is allowed in existing lines or manholes. Contractor shall be held responsible for any infiltration, and the applicable cleaning or repair of any lines affected. Bentonite clay is required for sealing a core drill into an existing manhole.
11. **Testing:** An air test, 4-psi for 2 minutes, is required on all new mainlines and laterals. Mainlines and laterals are to be backfilled at least one-half trench depth prior to the air test. A deflection test, 5% maximum, is required on all PVC mainlines. Flood, drain, and clean all mainlines after construction completion. After mainlines are flooded, drained, and cleaned: a taped, independent T.V. inspection and a mirror inspection by GHID are required. A copy of the T.V. inspection tape shall be provided, by contractor, to GHID.
12. **Preliminary Acceptance:** A preliminary letter of acceptance will be issued after: the air and deflection tests are complete, the T.V. and mirror inspections are complete, sewer lines and manhole(s) are approved, invert cover(s) are installed, and as-built drawings on Mylar/Vellum spatially referenced to NAD 1983 State Plane Utah Central FIPS 4302 (feet) and tied to the nearest existing Salt Lake County benchmark monument are provided, by contractor, to GHID. Note: Contractors as-built information on laterals shall be tied to at least one property corner for each lateral.
13. **Final Acceptance:** A final letter of acceptance will be issued after: asphalt has been installed, in accordance with APWA Standard Plan No. 413 manhole(s) are to grade with "State Mix Approved" concrete apron(s), invert cover(s) are removed, all sewer lines and manhole(s) are clean, Bill of Sale is signed, notarized, and returned to the GHID office, all items on the Final Punch List have been inspected and accepted, the revised as-built drawings on Mylar/Vellum are provided, by contractor, to GHID (if applicable), and a DWG as-built drawing file is copied to disk and provided to GHID.