

PLUMBING DESIGN PLAN – Isometrics

Prepared April 6, 2002 for:
OWNER
 MANUFACTURING PLANT INTERIOR
 SOUTHWEST UNITED STATES

OVERVIEW: This PLMB Design Plan is of a to-be-built by others, free-standing, clearspan STL STRUC covering 8,000 square feet in East-Central, AZ, for a light industry business, Wild Growth Company. PLMB is principally domestic. There are WCs, LAVs, K and U sinks, H/Ws, FDs, and a SHWR. Uses concentrate in 2 separate areas of the plant, joined on the supply side by a 1" CW line, and on the exhaust side by a long, angled run of 3" and 4" drainpipe. Note an exceptional arrangement of domestic PLMB in DTL 1. There are no amendments to supply for high heat or steam, no increased pressure, additives, etc. There are no pits, trenches, filters, sumps, screens, or separators. Known omissions include: gas (propane gas storage and use is expected on site); domestic water pump; fire control system. See PLUMBING DESIGN PLAN – Plan View, SHEET 8.

Prepared by –
 Before The Architect
 2985 Heatherwyn Way
 Cumming, GA 30040
<http://www.beforethearchitect.com>

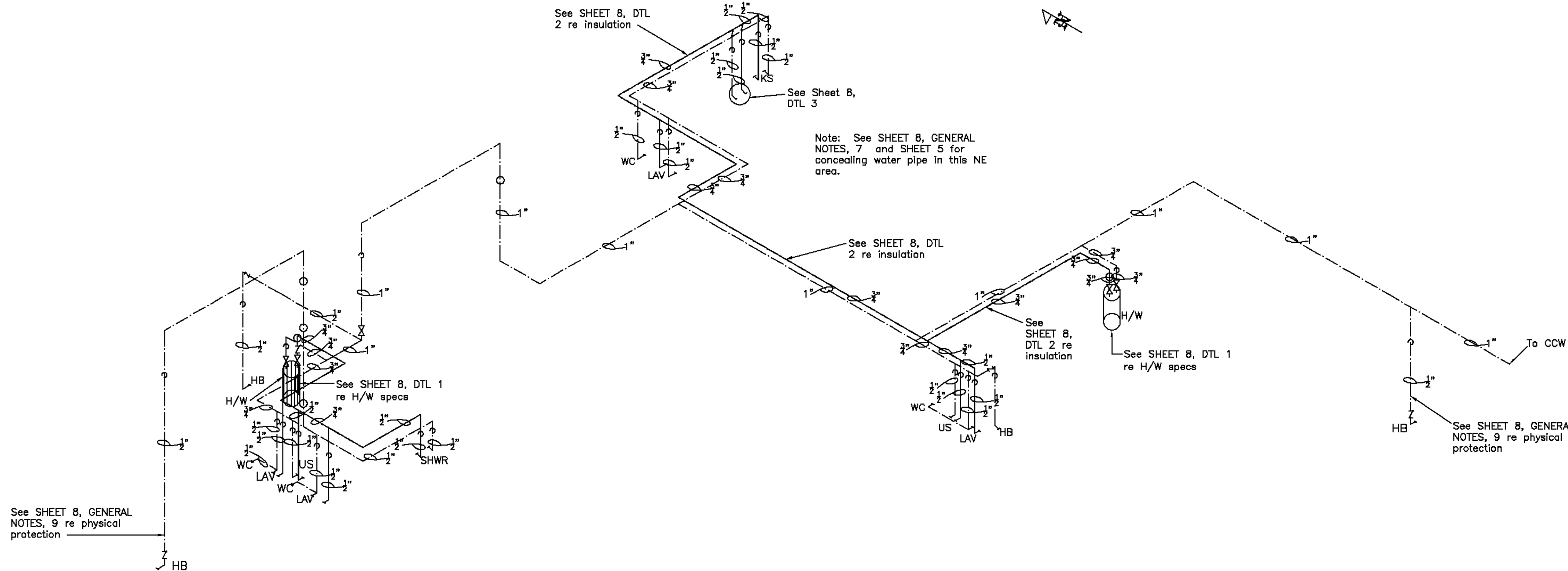
WATER SUPPLY ISOMETRIC. NTS
 See also: PLUMBING PLAN DESIGN
 – Plan View, SHEET 8.

LEGEND:

- X Gate valve
- Z CV
- Cold Water Line
- Hot Water Line
- o Water pipe & flow falling
- o Water pipe & flow rising
- HB Hose bibb
- Shutoff valve
- ∩ Ball valve

KEY:

- CV=Check Valve
- DRN=Drain
- DTL=Detail
- H/W=Hot Water Heater
- KS=Kitchen Sink
- LAV=Lavatory
- NTS=Not To Scale
- SHWR=Shower
- TOF=Top Of Face
- US=Utility Sink
- VTR=Vent To Roof
- WC=Water Closet
- WL=Wall



GENERAL NOTES:

1. See SHEET 1 and SHEET 3 for WL siting, orientation, ELEV, clad, and trim.
2. Note that supply paths and connections, while legitimate, are illustrative, and may be amended to local code and in a workmanlike manner.
3. Run water supply lines along WL TOF wherever possible.

DISCLAIMER: Before The Architect tried to do its best with this design plan print based on instructions, experience, statements, and knowledge. However, others will provide on-site consulting, supervise and control construction. The Architect does not warrant, even possibly know all the codes, requirements, means, materials, and other conditions involved in this project; therefore, there is no warranty, express or implied, with respect to the content or use of this print, including but not limited to construction, durability, function, safety, or hazards pre- or post-construction, and no liability for any errors or omissions due to incorrect information shown on this print. Use of this print is absolutely 100% at your own risk.

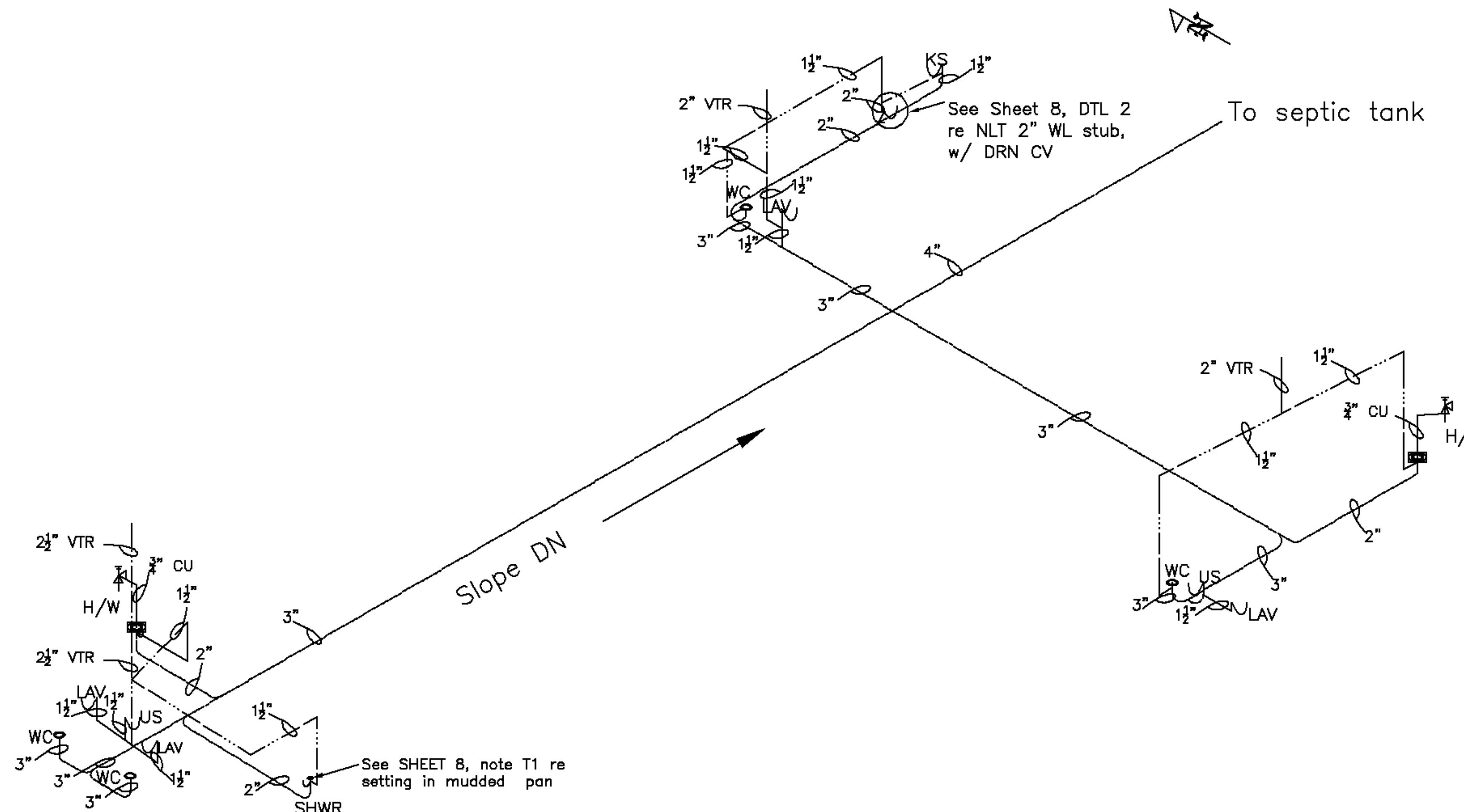
SANITARY ISOMETRIC. NTS
 See also: PLUMBING PLAN DESIGN
 – Plan View, SHEET 8.

LEGEND:

- Vent pipe
- Drain pipe, ABV FL
- Drain pipe, BEL FL
- SHWR FD
- WC FD
- U (blow-off) FD
- ∩ Trap
- ⊥ T & P relief valve

KEY:

- CU=Copper
- CV=Check Valve
- DN=Down
- DRN=Drain
- DTL=Detail
- ELEV=Elevation
- FD=Floor Drain
- H/W=Hot Water Heater
- KS=Kitchen Sink
- LAV=Lavatory
- NLT=Not Less Than
- NTS=Not To Scale
- OA=Overall
- SHWR=Shower
- US=Utility Sink
- VTR=Vent To Roof
- WC=Water Closet



GENERAL NOTES:

1. Slope NLT $\frac{1}{8}$ "/linear foot throughout DRN system (Note: < 36 FUs on 3").
2. DRNage identified and sited on SHEET 8.
3. Note that DRN lines and connections, while legitimate, may be amended to local code and in a workmanlike manner.
4. Note that for laying and stubbing DRN pipe, INT FL level is even and unchanged in ELEV OA.

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