



2424 Lance Court  
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## DESIGN INFORMATION SHEET

If you provide the following information, we can give you a design cut sheet for your application and water quality calculations based on your jurisdiction. **(Most of the data requested below can be found on your pipe chart; specifically, for the pipe flowing to the CST water quality device.)**

DATE \_\_\_\_\_

**SITE USAGE (COMMERCIAL, RESIDENTIAL, ETC):** \_\_\_\_\_

ENGINEER'S  
STRUCTURE # \_\_\_\_\_

**CONTRIBUTING AREAS (FOR ADDITIONAL BASINS USE ANOTHER SHEET)**

SURFACE TYPE:

TOTAL ON-SITE AREA: (Tributary) = \_\_\_\_\_ ACRES

☐ TRAFFIC

IMPERVIOUS = \_\_\_\_\_ ACRES OR \_\_\_\_\_ % OR \_\_\_\_\_ RAT. C (PICK ONE)

☐ NON-TRAFFIC

OFF-SITE AREA: (Tributary) = \_\_\_\_\_ ACRES

To Be Treated? ☐ Yes ☐ No

SURFACE ELEVATION AT DEVICE (RIM):

UNIT LOCATED BELOW POND:

IMPERVIOUS = \_\_\_\_\_ ACRES OR \_\_\_\_\_ % OR \_\_\_\_\_ RAT. C (PICK ONE)

☐ Yes ☐ No

PIPE IN SIZE \_\_\_\_\_ TYPE \_\_\_\_\_ SLOPE \_\_\_\_\_ (EX. 18" CMP @ 1.50%)

UNIT CONFIGURATION \_\_\_\_\_  
STRAIGHT IN AND OUT IS BEST  
LEFT OR RIGHT ENTRY OR EXIT  
IS OK AT 90 DEG. PLEASE CALL FOR  
OTHER ANGLES.

PIPE OUT SIZE \_\_\_\_\_ TYPE \_\_\_\_\_ SLOPE \_\_\_\_\_ (EX. 18" CMP @ 1.50%)

PIPE INVERT INTO DEVICE: \_\_\_\_\_ PIPE INVERT OUT: \_\_\_\_\_ (SEE NOTE)

**IF YOU ARE JUST BEGINNING YOUR DESIGN, FILL IN WHAT YOU CAN AND WE WILL GET BACK TO YOU.**

NOTE: Site descriptions can help us lower your treatment flow rates. A lower percentage of impervious will result in a lower water quality flow in most areas. Invert out of our device will normally be 0.10 or 0.20 feet below the invert in. We can make this less, if your pipe slopes are < 1 percent, but larger drops disrupt the treatment process.

Maximum Design flow in pipe to WQ unit: \_\_\_\_\_ cfs in \_\_\_\_\_ year storm. (Ex. 25-yr. storm)

Water Quality Rule: \_\_\_\_\_ WQ Flow (if specified): \_\_\_\_\_

Governing Jurisdiction (City/County, State): \_\_\_\_\_

Note: Maximum design flow is from your pipe chart. We will research the exact water quality flow standard for your jurisdiction. If there is no standard a "generic" specification, such as "1 inch first flush" depth will be utilized.

Your Design Firm: \_\_\_\_\_ Contact: \_\_\_\_\_

Phone: \_\_\_\_\_ Email: \_\_\_\_\_ Website: \_\_\_\_\_

Engineer's Job Name: \_\_\_\_\_ (From your title block)

Engineer's Job Number: \_\_\_\_\_ Engineer's AutoCAD version \_\_\_\_\_

Note: We will email you a drawing file of your site-specific design and your site calculations if you provide an email address. Any important information you can add, such as details on receiving waters, etc. will help us provide you with a more powerful presentation to your local jurisdiction.

**Sending a "PDF" or "DWG" file of your grading and drainage plan sheet will facilitate design.**

**Email pertinent information to: [engineering@crystalstream.com](mailto:engineering@crystalstream.com). Normal turnaround is 2 to 10 business days.**

**Please call us if you have a deadline date to meet.**