CrystalStream Technologies

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DESIGN INFO 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 DESCRIPTION (As developed): _____

ENGINEER'S STRUCTURE # _____

SURFACE TYPE:

☐ TRAFFIC

☐ NON-TRAFFIC

_____
SURFACE ELEVATION AT DEVICE (RIM):

UNIT LOCATED BELOW POND:

☐ YES ☐ NO

UNIT CONFIGURATION

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

CONTRIBUTING AREAS (Flowing to device)

ON-SITE AREA: (Total to WQ Unit) = _____ ACRES

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

OFF-SITE AREA: (Total To WQ Unit) = _____ ACRES

To Be Treated? ☐ YES ☐ NO

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

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

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

PIPE INVERT INTO DEVICE: _____ PIPE INVERT OUT: _____ (SEE NOTE)

IF YOU JUST BEGINNING, 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 your 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.

Water Quality Rule: _____ WQ Flow (if specified): _____

Governing Jurisdiction (City/County, State): _____

Note: Maximum 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 a, "1 inch first flush" depth will be utilized.

Design Firm _____ Contact: _____

Phone: _____ Email: _____

Engineer's Job Name: _____

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. Normal turnaround is 2 to 10 business days. Please call us if you have a deadline date to meet.

Last revised 8/1/21