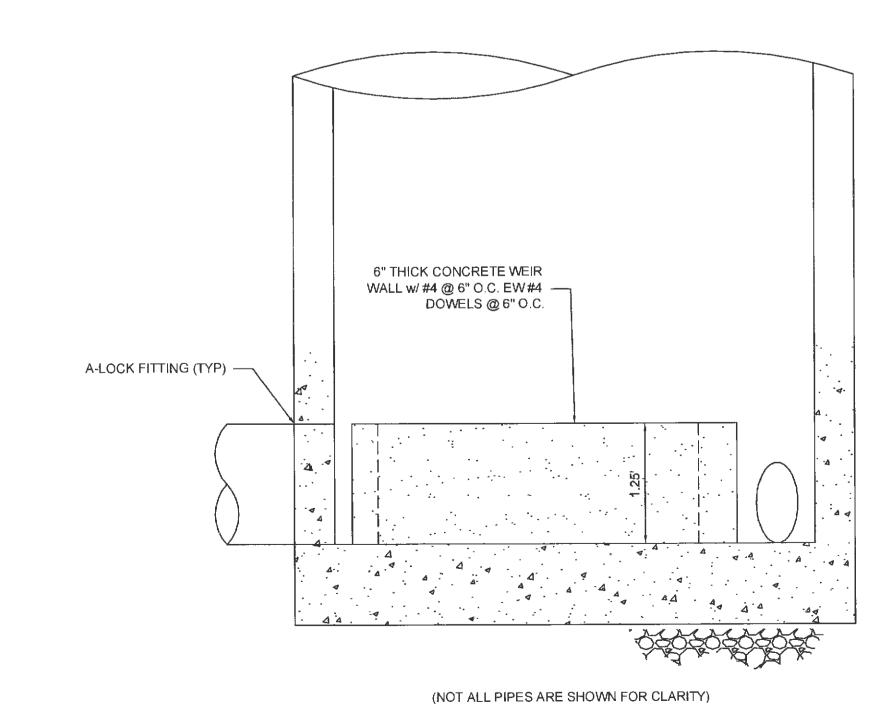
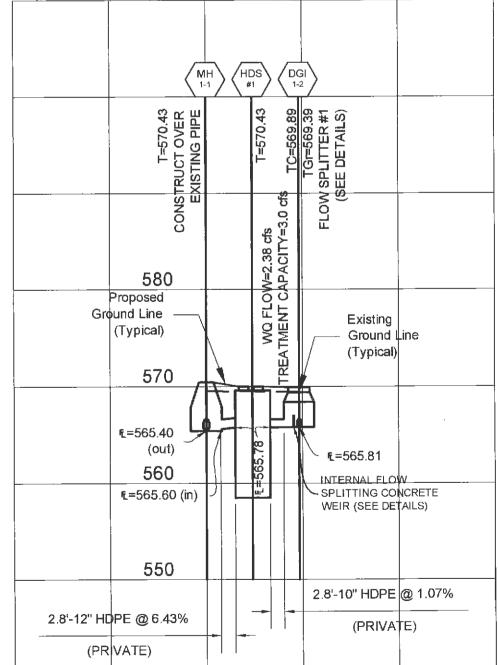


## FLOW SPLITTER #1 (DGI 1-2) - PLAN VIEW



FLOW SPLITTER #1 (DGI 1-2) - SECTION A-A VIEW



HDS UNIT NOTES:

1. HDS UNIT = HYDRODYNAMIC SEPARATOR UNIT (WATER QUALITY PROPRIETARY DEVICE) 2. THE PIPE SLOPES IN AND OUT OF THE HYDRODYNAMIC SEPARATOR ARE CALCULATED BASED ON THE DISTANCE BETWEEN THE OUTSIDE OF A 60" (I.D.) STRUCTURE AND THE INTAKE/DICHARGE CONNECTION POINT OF THE HDS UNIT. THE PIPE SLOPES ARE THE CRITICAL FACTOR FOR INSTALLATION, AS THIS GENERATES THE PROPER FLOW RATE TO TREAT THE WATER QUALITY DESIGN STORM. THESE PIPES MUST BE INSTALLED AT THE LISTED SLOPE. SHOULD A DIFFERENT DIAMETER (+ / -) STRUCTURE BE REQUIRED FOR DGI 1-2 AND/OR MH 1-1, THEN THE DESIGN WILL BE REVIEWED BY THE PROJECT ENGINEER AFTER THE CONTRACTOR SUPPLIES SHOP DRAWINGS. NO STORM STRUCTURE FABRICATION SHALL OCCUR PRIOR TO SHOP DRAWING APPROVAL.

## **HDS UNIT PROFILE VIEW**

SCALE: 1"=20' V 1"=10' H

SHOP DRAWINGS REQUIRED CONTRACTOR TO PROVIDE SIGNED AND SEALED SHOP DRAWINGS TO BE APPROVED BY THE PROJECT ENGINEER & CITY.

IMPORTANT: INSTALLATION OF THE HYDRODYNAMIC SEPARATOR BMP SHALL ONLY BE PERFORMED WITH THIS BMP KEPT OFFLINE, WITH NO RUNOFF PASSING THROUGH IT. IT CAN NOT BE BROUGHT ONLINE UNTIL THE PAVEMENT AND GROUND SURFACE, INCLUDING VEGETATION, IS ESTABLISHED OVER THE AREA THAT DRAINS TO IT. CONSTRUCTION SITE RUNOFF SHALL NOT FLOW INTO THIS BMP. ALL STORMWATER FLOW TO THIS BMP SHALL BE DIVERTED PLUGGED OR DISCONNECTED AT THE UPDSTREAM METERING STRUCTURE OR TEMPORARY GRADING UNTIL THE CONSTRUCTION SITE IS STABLE AND THE MSD INSPECTOR PROVIDES APPROVAL TO PLACE THE BMPs ONLINE.

BMP Maintenance & Operation Plan The Property Owner's appointed Maintenance Staff shall be responsible for cleaning and maintaining the Hydrodynamic Separator.

The specific methods and practices required for the maintenance and operation of these stormwater facilities is explained in the "Stormwater Management Facilities Report" - dated NOVEMBER 2013, or latest edition, by The Clayton Engineering Company, Inc.

at the offices of The Clayton Engineering Company, Inc. The signed and sealed original is the official document and shall take precedence over any digital version.



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Underground facilities, structures & utilities have been plotted from avaîlable surveys, records & information, and therefore, do not necessarily reflect the actual existence, nanexistence, size, type, number of, or location of these facilities, structures, & utilities.

The Contractor shall be responsible for verifying the actual location of all underground facilities, structures, & utilities, either shown or not shown | Page No. on these plans. The underground facilities, structures, & utilities shall be located in the field prior to any grading, excavation or construction of improvements. These provisions shall in no way absolve any party from complying with the Underground Facility Safety and Damage Prevention Act, Chapter 319, RSMO.

The signed and sealed original of this drawing is on file

P+Z No.: (23-13.02) Approval Date: 10/03/13 City No.

Erik J. Staley - Professional Engineer (PE-2006000132)

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