

Herback

General Engineering

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RFI# 004

To:	Courtney Walker	From:	Peter Griffin
Company:	Douglas County	Date:	5/1/2023
Phone:	775-782-6215	Project No:	653
Email:	cwalker@douglasnv.us	Project Name:	Johnson Lane Drainage Basins

RFI Title:	Catch Basin Outlet Clarification
Specification Section:	
Drawing Reference Number:	Plan Detail 4/D2; Plan Detail 4/ D3

Information Requested:

Clarification is requested for Catch Basin Outlet Structure as defined on 4/D2 and 4/D3 as follows:

1. Plan sheet 4/D3 defines a square Type 3R Catch Basin. Note that 24" RCP (30" OD) outlets as defined for the Stephanie and Chowbuck ponds will not stub into the catch basin per the detail due to dimensional restriction. The catch basins will have to be upsized to receive 24" RCP. A cost-effective alternative to upsizing the catch basins to receive a 24" pipe would be to utilize 30" CMP inlets with a reinforced poured in place footing or 30" RCP with a reinforced poured in place footing.
2. 4/D3 note 1 requires fiber reinforced concrete which is not consistent with the specifications. Please clarify this requirement.
3. 4/D3 note 4 requires a D&L I-9226 grate or approved equal which is a square/ flat grate while the drawing and specification require a round Neenah Beehive grate R2561. Please confirm.
4. 4/D3 note 5 requires a Sur-Trap oil water separator. Please confirm this requirement as the detail appears to contain notes that are not applicable to a pond outlet. If Sur-Traps are desired, please provide a detail and/ or manufacture as the specification provide no information.

Response:

1. Lumos finds it acceptable to replace the Type 3R structure with a 30" RCP with a reinforced poured in place footing. A detail has been provided for how to connect the vertical riser to the cast in place footing. Ensure that no additional costs will be present with this alternate design.

2. Fiber Reinforcement is specified in section 3300 2.13 of the specifications. Section 03400 references Section 03300 for concrete requirements of storm structures. Fiber reinforcement is not required with the cast in place footings.

3. Neenah Beehive grate R2561 should be utilized.

4. No Sur-Trap oil water separator is required.