

https://ponce.sdsu.edu/how_to_calculate_online_the_normal_depth_in_a_roadside_ditch.html

triangular cross-section of the roadsize ditch has different side slopes (Fig. 1). In this article, we expedite the solution by providing an online calculator specifically developed for sizing a roadside ditch.

2. EXAMPLE

We use the calculator **ONLINE_SIDE_DITCH** to run the following typical example:

- Units: SI Units.
- Discharge Q = $0.08 \text{ m}^3/\text{s}$.
- Side slope z₁ = 4.
- Side slope z₂ = 0.5.
- Bottom slope S = 0.005.
- Manning's n coefficient = 0.015.

3. RESULTS



Ponce, V. M. 2014. Fundamentals of Open-channel Hydraulics. Online edition.

Ponce, V. M. 2023. ONLINE_SIDE_DITCH. https://ponce.sdsu.edu/onlinesideditch.php

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