

DEL-42-12.63, PID 126936

Headwall Footing Bearing Analysis Elev. 934.26 ft.

Minimum 28° Granular ≈ 4 bpf
or
1500 psf Cohesive = 12 bpf

12 bpf controls

D-002-0-26 @ outlet G.S. Elev. = 937.7 ft

Bearing Depth $D_f = 3.44$ ft

At this depth, $N \approx 18$ bpf > 12 bpf OK

D-003-0-26 @ inlet G.S. Elev. = 937.8 ft

Bearing Depth $D_f = 3.54$ ft

$N = 12$ bpf @ 4.33 ft (0.79 feet below D_f)

D-004-0-26 @ inlet G.S. Elev. = 938.5 ft

Bearing Depth $D_f = 4.24$ ft

$N = 12$ bpf @ 3.83 ft Approx

At 4.24 ft, $N \approx 15$ bpf > 12 bpf OK

Recommend 1-foot undercut and replacement
with Granular Material, Type B at the
inlet headwall.

By ABCD
08/07/2026
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