



0821 Stormwater - Buildings

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00 Design principles

0.01 Main considerations

It is a requirement to undertake the [00 PLANNING AND DESIGN/0001R - DESIGN REFERENCE](#) and [GLOSSARY OF TERMS](#) information into all aspects of design, detailing and delivery when developing the content here within. Clear demonstration of adherence to these requirements is part of the services and will be called upon at key points in the project and during at the discretion of the Department of Education (DoE).

GUIDE NOTE: Refer to [00 PLANNING AND DESIGN/0001C DESIGN CHECKLIST - HYDRAULIC](#) and [08 HYDRAULIC/0822 WASTEWATER](#).

Specification

01 General

As per current NATSPEC.

02 Product

As per current NATSPEC.

GUIDE NOTE: Complete the list of nominating items or alternatively indicate items for which samples are required in accordance with NATSPEC

03 Execution

As per current NATSPEC except as follows:

3.1 Stormwater Drains

Location - Concealed and/or encased downpipes to be avoided in all DoE facilities unless a prior approval is obtained.

GUIDE NOTE: Delete subclause "Downpipe Connections" nominated in NATSPEC Building Template and include the following:

Downpipe connections:

Turn up the drain branch pipeline with a suitable bend in direct line with the downpipe.
Leave space between pipe collar and bottom of downpipe as shown on drawings.
Downpipe to ensure effectiveness of water flow diversion into the drain.

GUIDE NOTE: Downpipes are to finish above the collar of the stormwater pipe. Collar to finish a min. Of 100mm below floor level, and be fitted with a grate, which cannot be removed by unauthorised personnel. Collar to be protected from mechanical damage. Consider possible splashing/flooding of surrounding areas.

Protection, pipe collar: Encase in a proprietary precast concrete surround with a dish drain incorporated as shown on drawings.

Dish diameter: 300mm.

Minimum dish depth: 50mm around grate.

Grate installation: Prevent movement from unauthorised personnel.

GUIDE NOTE: Refer to DRAWING in Figure 1 below. Include appropriate project specification drawing number.

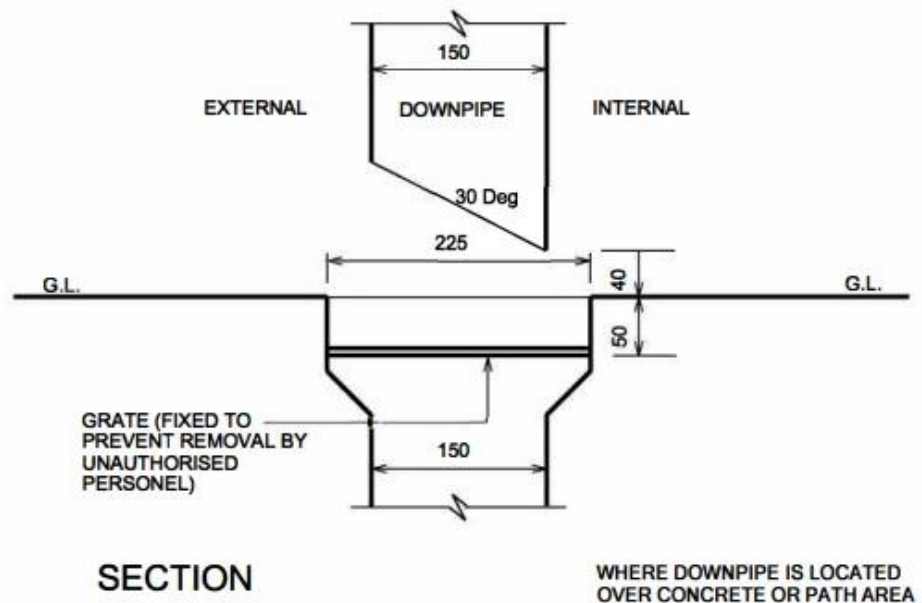
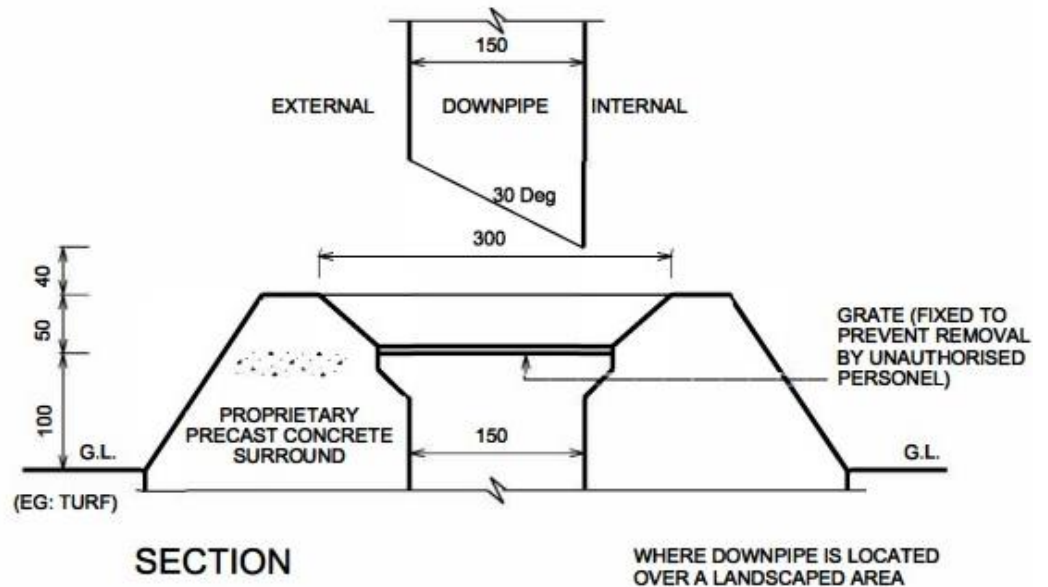
Figure 01: Stormwater Drains Downpipe Connections

SPECIFICATION REF
Stormwater

NOTES

Guide only; do not use as a construction detail.

- All grates to be minimum 1 size larger than downpipe.



04 Selections

As per current NATSPEC.