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SMARTSPEC

1 P L U M B I N G

1.1 Preliminary

Refer to General Conditions of Contract and the Special Conditions in this Specification as appropriate. Read this section in conjunction with all other trade sections.

1.2 Compliance

Comply with the New Zealand Building Code 1992 including all revisions and amendments, Verification Methods where appropriate, and construction principles that are embodied in the Acceptable Solutions.

Comply with all relevant provisions and recommendations of:

3500.0:2003(AS/NZS)	Plumbing and drainage - Glossary of terms
3500.3:2018(AS|NZS)	Plumbing and drainage Part 3: Stormwater drainage
5807:1980(NZS)	Code of practice for industrial identification by colour, wording or other coding
NZBC E1/AS1	Surface Water
NZBC E1/VM1	Surface Water

1.3 General

Carry out all works necessary to leave the water, waste, vent and soil systems serving the sanitary fittings and the plumbing hardware shown on the drawings or specified below in correct working order complete with all ancillary systems (safetrays, floor drains, overflows, relief valves, etc.) required, and with all normal incidentals customarily installed by this trade.

Comply with the Building Code, Territorial Authority By-laws and statutory authority Regulations as appropriate. Obtain all necessary permits and consents, serve all necessary notices, arrange for all tests and pay all fees and customary charges in connection with the required works.

1.4 Stormlite® Detention & Retention Tanks

1.4.1 Scope

Supply, install and commission StormLite® detention / retention systems, as specified herein and indicated on the design drawings, complete with all necessary components and accessories required for proper installation and performance. All aspects of this work shall be in strict accordance with APD Ltd technical literature and installation requirements (check www.apd.co.nz, or call 09 263 7741 for the latest editions), and the requirements of the NZ Building Code, related Standards, Regulations and Acts, the Local Authority, and the network utility operator (water supply.
No substitutions are permitted for StormLite® detention / retention systems.
For the purpose of this specification, a StormLite® detention / retention system is referred to generally as ' StormLite®'.
This section should be read in conjunction with other specification sections, in particular, Plumbing,

Drain laying, Site works, as they are interrelated.

The following is a list and/or general description of the extent of the StormLite® detention / retention systems works, which are more specifically defined in the accompanying drawings.

1.4.2 Requirements

1.4.2.1 Safety

Comply with the Health and Safety at Work Act 2015 (HSWA), and with all relevant Health and Safety at Work Regulations 2016, and with all relevant WorkSafe New Zealand (WorkSafe) Approved Codes of Practice and WorkSafe Information and Guidance, particularly those for construction and building maintenance.

1.4.2.2 Warranty

APD Ltd. Product Warranty - according to the warranty terms and conditions.
- 10 Year warranty with an expected designs life of a minimum 25 years.
- For StormLite® detention / retention systems components.
- Provide this on the manufacturer's standard warranty form.
- Commence the warranty from the date of practical completion of the contract works.

1.4.2.3 Substitutions

The StormLite® detention / retention systems shall be as specified herein and on the design drawings. The substitution of StormLite® detention / retention systems for an alternative brand, system or product is not permitted under any circumstances.

The substitution of a specified StormLite® component for an alternative StormLite® component by the Contractor shall only be permitted with the Contract Administrator's written authorisation and shall be at no additional cost to the Principal. Should any resultant extra work and/or redesign work be required to accommodate an alternative StormLite® component to satisfy design, performance and compliance requirements, then the cost of these shall be borne by the Contractor.

1.4.2.4 Inspections & Reporting

BCA inspections shall take place at each of the stages as scheduled in the Building Consent. Confirm a written programme to facilitate these inspections, including notification when each stage of the work is ready for inspection.
Carry out all necessary pre-installation and installation inspections.
Complete all necessary Pre-Installation Checklists prior to installation, and all necessary Installation Checklists.
Complete all necessary Final Checklists and Installation Sign-Off Certificates before handing over completed work.