

Reinforced	35
Unreinforced (Humatic)	30
Plastic:	
Buried pipes to be bedded in and surrounded with suitable granular material and buried at sufficient depth to give adequate surface protection against loading:	
PVC underground drain to NZS 7649	25
PVC Waste and Ventilating to NZS 7641	25
PVC Soil and Ventilating to NZS 7642	25
High Density polythene	20
Steel:	
Suitably protected internally and externally against corrosion	
Arc butt welded to NZS 2226P	35
Pipes:	
(Water Supply) non-aggressive water and soil conditions.	
Asbestos Cement:	
Pressure pipes to NZS 285	35
Cast Iron, spun to NZS 628	35
Plastic:	
Buried plastic pipes to be bedded in and surrounded with suitable granular material and at sufficient depth to give adequate protection against surface loading	
PVC cold water supply to NZS 7648 and installed to NZS 7643	35
Polythene for cold water services to NZS 1338	25
High density polythene	25
Steel:	
Suitably protected internally and externally against corrosion	
Arc butt welded to NZS 2226P	35
Galvanised steel tubing	25
Copper	35
Fire hydrants	As for pipe in which installed
Valves (metallic)	As for pipe in which installed
Dams	35
Reservoirs:	
Reinforced or prestressed concrete	35
Lined excavation with synthetic rubber, rubber lining and roof	10
Timber Stave	15
Steel tanks and water towers	25
Meters—all sizes	15
Structures:	
Reinforced concrete	35
Steel (including pressure vessels)	25
Brick and concrete masonry	35
Timber (Softwoods, e.g. Pinus and Indigenous Timbers)	
Exposed to Marine Conditions	15
Treated, used Externally and Painted	25
Treated, used Internally Painted or Unpainted	30
Timber (Imported Hardwoods)	30
Swimming baths: reinforced concrete construction in accordance with NZS 4441	35
Treatment equipment for water supply and swimming pools	15
Pumping plant, motors and controls	15
Structures:	
Reinforced concrete (to NZS 1900, Chap 9.3 and adequate cover over steel)	35
In contact with sewage sludge or gas	30
Masonry	35
Mechanical and Electrical Equipment:	
For sewage treatment plants and pumping stations	15
Plastic media for trickling filters	10
Wells:	
Bored and lined	30
Dug, brick or concrete lined	35
Roading:	
Road paving (Bituminous)	20
Road paving (concrete)	35
Culverts (concrete)	35
Culverts (wood stave, timber treated sapwood)	25
Bridges (reinforced concrete)	35
Bridges (steel)	25
Bridges (timber hardwood)	25
Electrical Undertakings:	
Pipelines	30
Generating Plant	25
Main Transmission Lines (Ironbark, Concrete or Galvanised Steel Poles)	25

Primary Distribution Lines	25
Secondary Distribution Lines	20
Main Substation—Indoor	20
Main Substation—Outdoor	15
Distribution Substations—Indoor	20
Distribution Substations—Outdoor	15
Public Lighting	15
Special Stand-by Plant	10
Meters, Instruments, Furniture and Equipment	20
Transformers	15
Tubines—Steam	25
Tubines—Water	30

SCHEDULE II

Maximum Term (Years)	Annual Sinking Fund Contribution
3	29.21
4	20.47
5	15.28
6	11.86
7	9.46
8	7.70
9	6.35
10	5.30
11	4.46
12	3.78
13	3.22
14	2.76
15	2.38
16	2.05
17	1.77
18	1.54
19	1.34
20	1.17
21	1.02
22	0.89
23	0.78
24	0.68
25	0.59
26	0.52
27	0.46
28	0.40
29	0.35
30	0.31

Dated at Wellington this 25th day of July 1986.

G. C. SCOTT, Chairman.

Local Authorities Loans Board.

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*The Standards Act 1965—Standard Specification Revoked*

PURSUANT to section 23 of the Standards Act 1965, the Standards Council, on 30 May 1986, revoked the under-mentioned standard specification.

Number and Title of Specification

NZS 4452:1974 Construction of underground pipe sewers and drains. (Cancelled and replaced by the new edition NZS 4452:1986)

Dated at Wellington this 25th day of July 1986.

DENYS R. M. PINFOLD,

Director, Standards Association of New Zealand.

(S.A. 114/2/7: 1958)

*The Standards Act 1965—Specifications Declared to be Standard Specifications*

PURSUANT to section 23 of the Standards Act 1965, the Standards Council, on 30 May 1986, declared the under-mentioned specifications to be standard specifications.

Number and Title of Specification	Price of Copy (Post free)
	\$

NZS 4452:1986 Code of practice for the construction of underground pipe sewers and drains. (New edition incorporating Amendments No. 1 and No. 2)	22.00
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