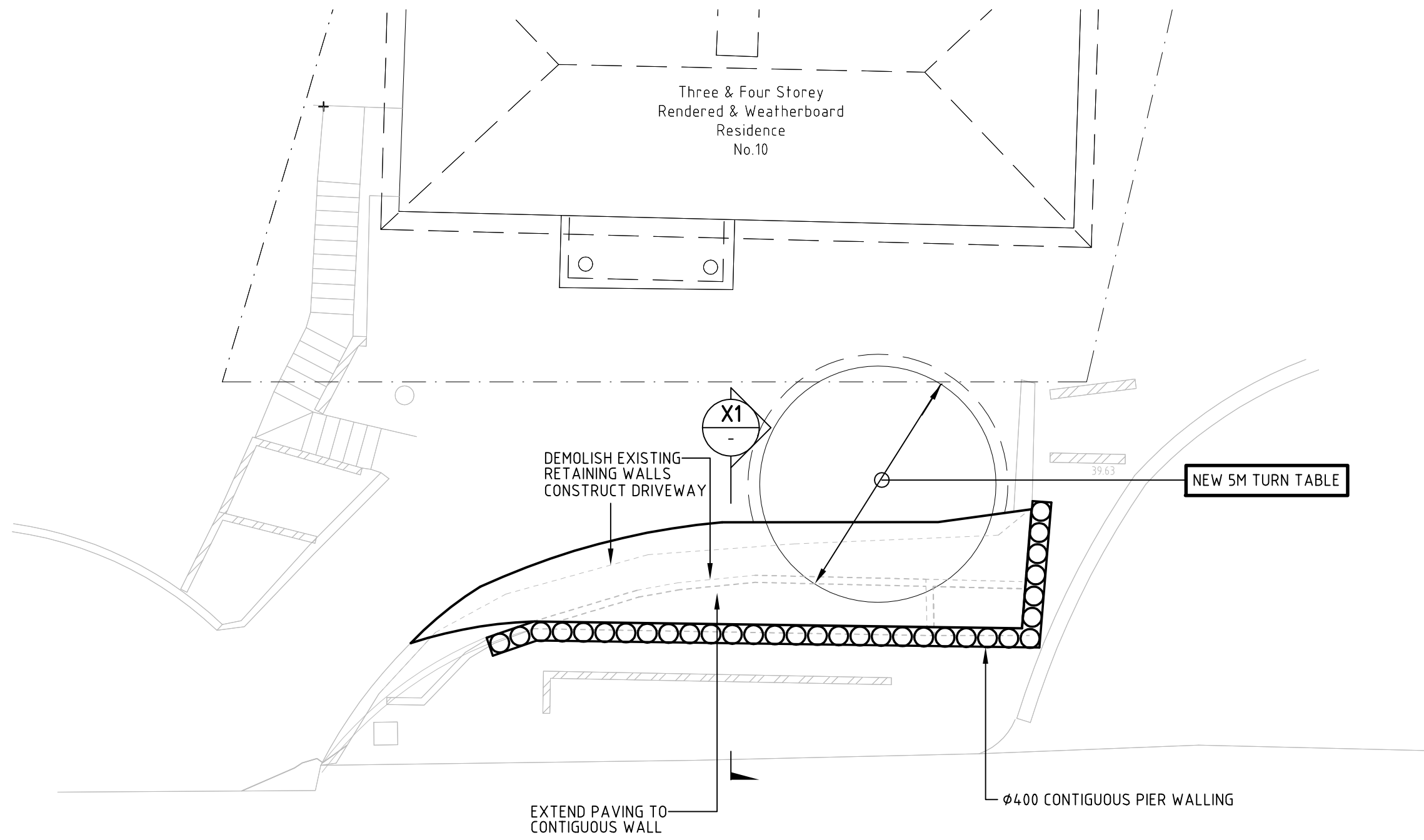
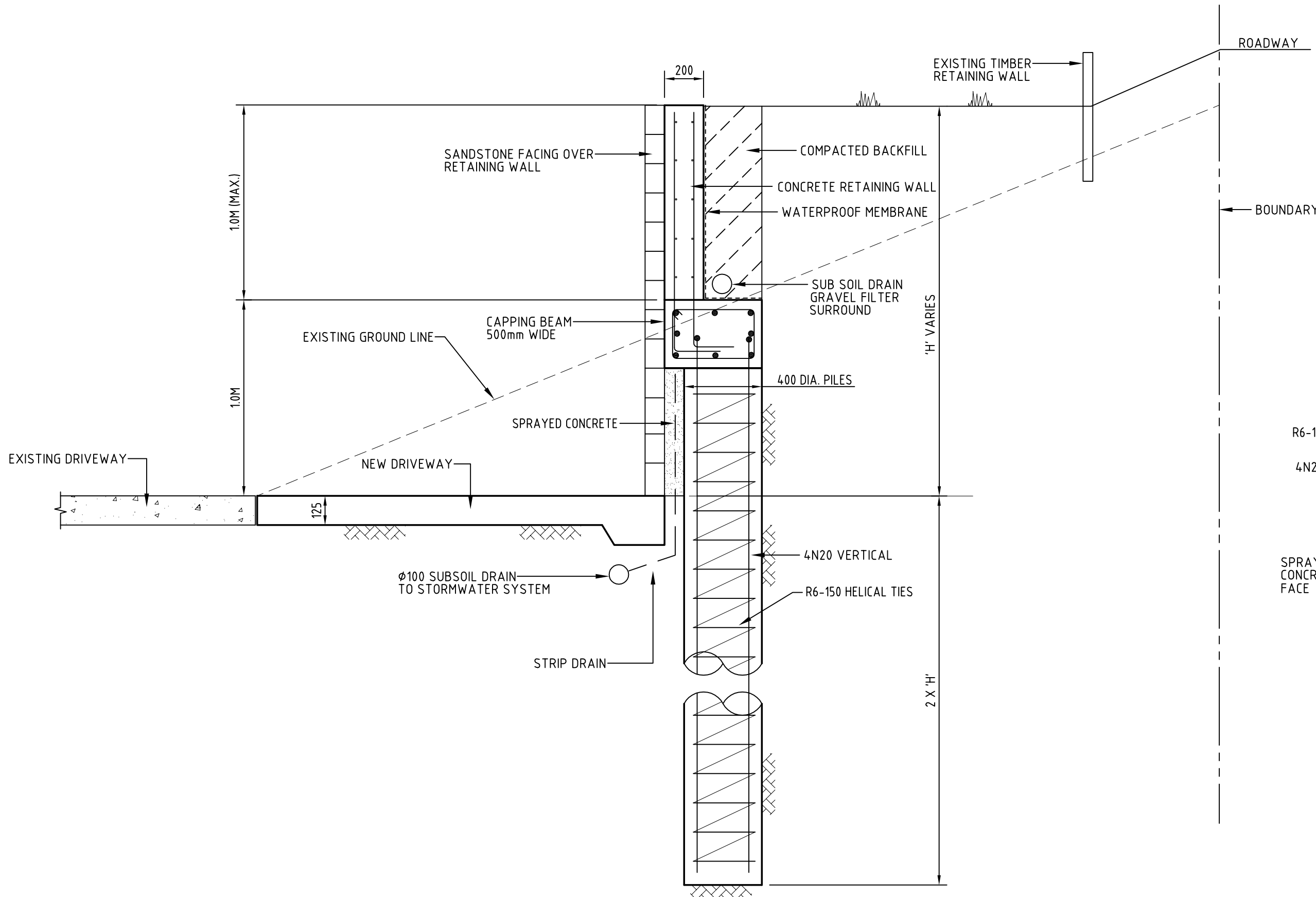




FLORIDA ROAD

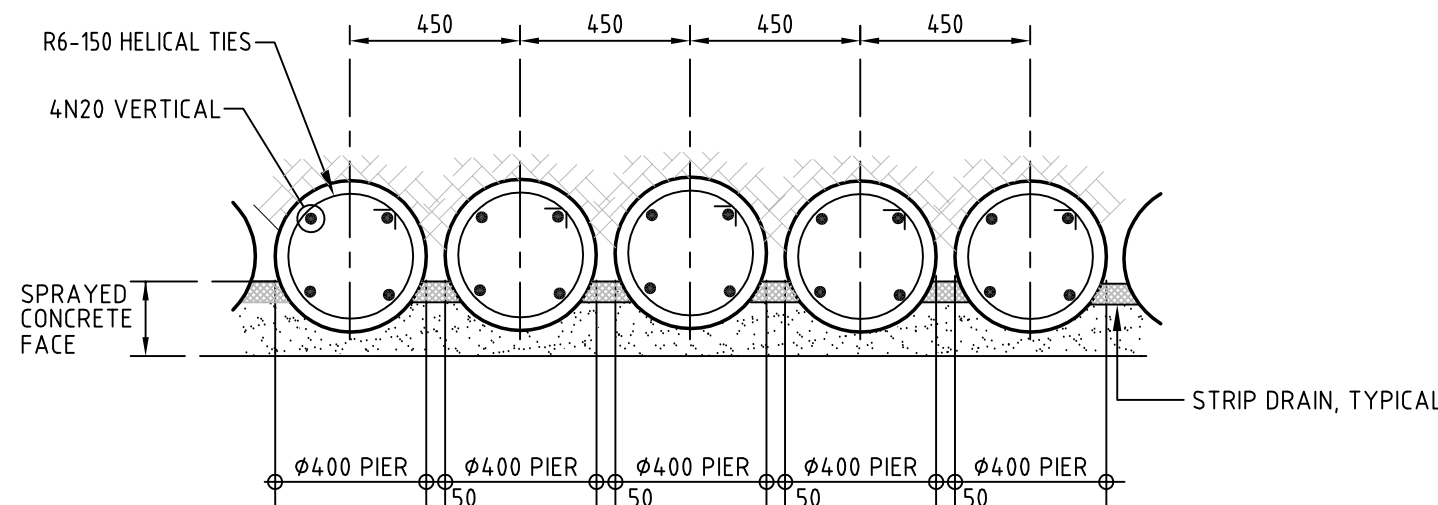
SUGGESTED RETAINING WALL PLAN TO ACCOMODATE TURNTABLE

SCALE 1:100



TYPICAL SECTION OF CONTIGUOUS PILE WALL

SCALE 1:20



TYPICAL PLAN

SCALE 1:20

CONSTRUCTION NOTES.

General.

- These drawings shall be read in conjunction with all architectural and other consultants drawings and specifications and with such other written instructions as may be issued by the Architect for decision before proceeding with the work.
- Dimensions shall not be obtained by scaling the structural drawings.
- Setting out dimensions shown on the drawings shall be verified by the builder.
- During construction the structure shall be maintained in a stable condition and no part shall be overstressed.
- All excavation, shoring of excavation and stability of adjacent structures shall be the responsibility of the builder.
- The structural work shown on the drawings have been designed for the following live loads: Slabs k.P.A. Balconies k.P.A. Stairs and landings k.P.A.

Foundations.

- The footings have been designed for the allowable intensity of 500. K.P.A. ROCK....
- All sides on the ground subgrade shall be compacted to 95% M.O.D.D.

Concrete.

- All workmanship and materials shall be in accordance with AS3600 current edition with amendments, except where verified by the contract documents.
- Concrete quality is to be AS3600. Normal concrete is to have a maximum water cement ratio of .6 and a minimum portland cement content of 280 kg per m.

Element	Slump	Max. Size agg.	Cement type	AS3600 F.C.	Admixture
FOOTING	75	20	G.P.	N40	—
RETAINING WALL	75	20	G.P.	N40	—

C3. Clear concrete cover to reinforcement shall be as follows:

Element	Cast against forms complying with AS 1500	Cast against form work or The ground
	In sheltered Exposed to ground Locations weather or water	
Beams	25	45
Footings	50	65
Slabs & Walls	20	45

- Sizes of concrete elements do not include thickness of applied finishes.
- Construction joints where not shown shall be located to the approval of the Engineer. All construction joints shall be scabbled over the whole face and any unsound material removed.
- Beam depths are written first and include slab thickness.
- No holes or chases other than those shown on the structural drawings shall be made in concrete members without the prior approval of the Engineer.
- All concrete shall be mechanically compacted by a vibrator and the vibrator shall not be used to spread the concrete.
- Formwork to suspended slabs and beams shall remain in place for a full 28 days, cantilevers being backpropped for a full 28 days if there is less than 21 days between placing of concrete for successive slabs, props shall be placed directly under props over as least two slabs are carrying the load.
- Conduits, pipes, etc., must not be placed in concrete cover and shall be spaced minimum distance as for reinforcing steel.
- Reinforcement is represented diagrammatically; it is not necessarily shown in true proportion.
- Welding of reinforcement will not be permitted unless shown on the structural drawings.
- Reinforcement symbols:

S —Structural grade plain round bar to AS1302 (250 MPa)

N —Hot rolled deformed bar to AS/NZS 4671 (500 MPa)

SL—Low ductility square mesh (500 MPa)

RL—Low ductility rectangular mesh (500 MPa)

L —Low ductility trench mesh (500 MPa)

The number following the symbol is the nominal bar diameter on millimetres Class L Reinforcement shall not be used U.N.O.

- All reinforcement shall be firmly supported on plastic or M.S. (plastic tipped or galvanised) chairs generally at not greater than 800mm, centres both ways. Bars to be tied at alternative intersections.
- Unless noted otherwise, all cross rods and distributors shall be N12 @ 300 cts.
- Splices in reinforcement shall be made only in the positions shown and shall be sufficient to develop the full strength of the reinforcement.
 - Square fabric — minimum lap side and end 250mm.
 - Rectangular fabric — minimum lap side and end 250mm.
- Splice lengths generally to be in accordance with table 13.1.2.2A of AS 3600.

Structural Steel.

- All workmanship and materials shall be in accordance with AS 4100, AS 1554 and for tubular members BS 449 and BS 1775, except where varied by contract documents.
- Connections shall be provided to carry the reactions shown unless otherwise detailed. The Contractor shall prepare workshop drawings and shall submit 3 copies of each drawing for examination of connections. Fabrication shall not commence until approval has been received.
- Welds shall be 6mm continuous fillet, all bolts 20mm dia., all gusset plates 10mm thick unless otherwise noted.
- Concrete encased steelwork shall be wrapped with 315 mm. wire at 100 mm. cts. and shall have a minimum 50 mm. cover of concrete unless noted otherwise.
- Unless otherwise noted, all steel shall be in accordance with AS 1204 mild steel and AS B156 steel tubes Grade 13.
- Unless otherwise noted, all steelwork not encased shall be given one coat of red oxide zinc chromate primer prior to dispatch.

Brickwork

- All load-bearing brickwork shall be constructed in accordance with AS 1640.
- Minimum brick compressive strength to be as follows in accordance with AS 1225: Face Brickwork and Piers — C Common Brickwork — C =
- Mortar to brickwork to be as follows:
 - Retaining Walls and all brickwork below ground — 1 part cement; 1/10 part lime; 3 parts clean sharp sand.
 - All other load-bearing brickwork — 1 part cement; 1 part lime; 6 parts clean sharp sand.
- and shall have a minimum 50 mm. cover of concrete unless noted otherwise.
- Where brickwork supports concrete slab, top course shall be laid frog down and covered with 2 layers of galvanised iron strips with graphite between.
- Brickwork shall be separated from concrete at all vertical faces by 10mm thick compressible jointing material.
- Where walls are non load-bearing, they shall be separated from the concrete over by 10mm thick compressible joint material.
- All steel lintels to be hot dipped galvanised with 150mm minimum bearing at each end unless otherwise noted.

Blockwork

- All blockwork shall be constructed in accordance with SAA Code AS 3700. The min. block unconfined compressive strength to be as follows C=12 MPa Ref. walls 20 MPa
- All concrete masonry units shall be class A units in accordance with AS 1500.
- Mortar shall be as follows:
 - Retaining Walls and all blockwork below ground — 1 part cement, 4 parts clean sharp sand and 005 Water Thickener DYNEX.
 - All other load-bearing blockwork — 1 part cement; 0.5 part lime; 4.5 parts clean sharp sand.
- Grout where required shall comprise 20 MPa concrete, 230 slump, Max. aggregate size 10mm.
- Cleanout openings shall be provided at base of all reinforced cells to enable cleaning of cells including removal of mortar protruding into cell, prior to placing of concrete.
- All steel lintels to be hot dipped galvanised with 150mm minimum bearing at each end.
- Approved joint reinforcement shall be laid horizontally at a minimum of 400mm cts. with additional layers directly above and below window and door openings.

Timber

- Timber constructions to be in accordance with AS 1720 and light timber framing code AS 1684.
- Timber stress grade to be F7 unless noted otherwise.

A	CONSTRUCTION CERTIFICATE ISSUE	02/08/23
Amendment		Date

ALTERATIONS AND ADDITIONS

10 FLORIDA ROAD
PALM BEACH, NSW
FOR MR G CRANE

BURGESS, ARNOTT & GRAVA PTY LTD

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PLAN & DETAILS

Checked	Scale @ A1	Date	Drawing No.
R. GRAVA	1:100 1:20	AUG. 2023	2022-175/S01(A)
Approved		Chartered Engineer	