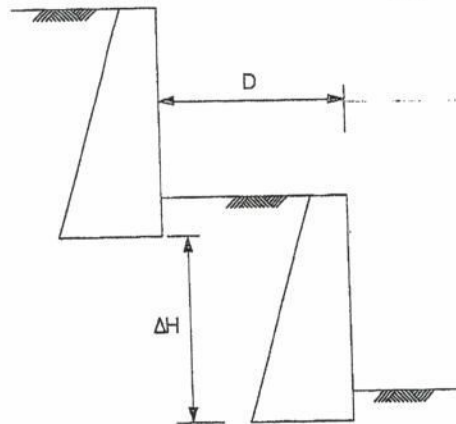
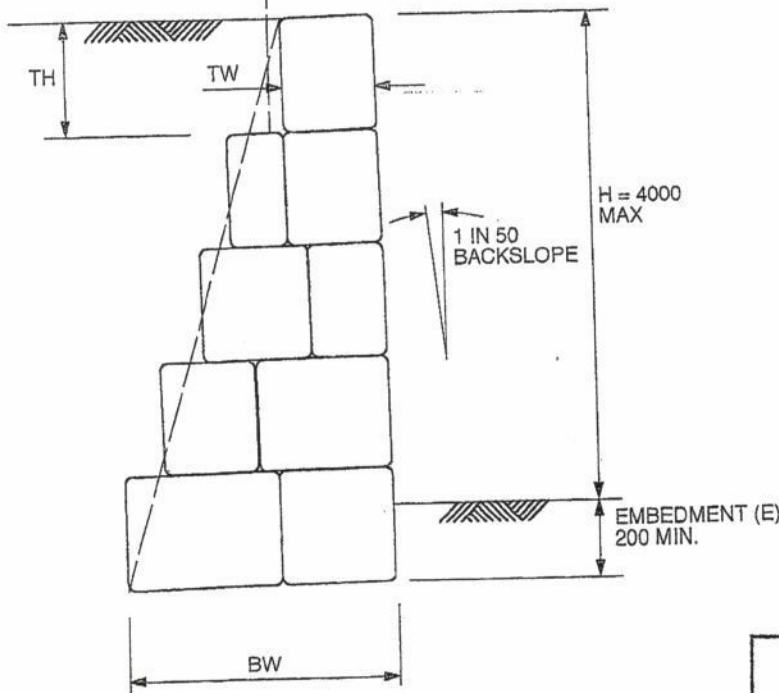


"SUPER SIX" FENCE OR SIMILAR, IF REQUIRED.



OPTION FOR TIERED WALLS
DIMENSION 'D' ALWAYS TO BE GREATER THAN DIMENSION 'ΔH'.

LIMESTONE RETAINING WALL

H	BW	E
0 - 1000	H/2 + 200 BUT NOT LESS THAN 500	200
1000 - 3000	H/2 + 200	300
3000 - 3500	H/2 + 200	400
3500 - 4000	H/2 + 400	400

TH	TW
350	250
600	350

NOTES:

- THIS WALL IS DESIGNED FOR USE IN STABLE SAND OR ROCK SOILS WITH FREE DRAINING GRANULAR BACKFILL. MAXIMUM WATER TABLE TO BE BELOW BOTTOM OF WALL. IF OTHER CONDITIONS ENCOUNTERED ON SITE CONTACT THE ENGINEER.
- REMOVE ALL TOPSOIL, VEGETATION & DELETERIOUS FILL MATERIAL FROM THE FOUNDATION AREA.
- COMPACT THE FOUNDATION LINE TO MIN 6 BLOWS / 300mm (AS TESTED WITH THE PERTH SAND PENETROMETER) FOR A DEPTH OF AT LEAST 750mm BELOW BOTTOM OF WALL.
- LIMESTONE MAY BE NATURAL CUT BLOCKS OR RECONSTITUTED BLOCKS (MINIMUM DENSITY TO BE 1700kg/m³). STONES TO INTERLOCK TO FORM A STRONG BOND. USE STANDARD Ø3.15 GALVANIZED MASONRY TIES BETWEEN EACH LEAF, AT 500mm CRS HORIZONTALLY IN EACH BED JOINT. CONTACT THE ENGINEER PRIOR TO PROCEEDING, IF UNSURE.
- LIMESTONE TO BE NON-FRIABLE.
- ALL JOINTS TO BE MORTARED. MORTAR TO BE M3 CLASSIFICATION, EXCEPT PROJECTS LOCATED WITHIN 1km OF THE OCEAN MORTAR TO BE M4 CLASSIFICATION. CEMENTS OTHER THAN TYPE GP PORTLAND CEMENT & 100% WHITE PORTLAND CEMENT SHALL NOT BE USED. RUBBLE NOT TO BE USED TO FILL VOIDS.

- DO NOT BACKFILL WALL UNTIL AT LEAST 5 DAYS AFTER COMPLETION.
- BACKFILL TO BE COMPACTED TO MIN 5 BLOWS / 300mm. BACKFILL WITHIN 1m OF WALL MAY BE COMPACTED TO MIN 4 BLOWS/300mm.
- ENSURE NO DEAD LOAD (INCLUDING BUILDINGS) IS PLACED CLOSER TO THE WALL THAN A DISTANCE EQUAL TO THE TOTAL HEIGHT OF THE WALL. MAXIMUM SURCHARGE LOAD TO BE 5 kPa WHICH INCLUDES LIGHT VEHICLE SURCHARGE.
- ENSURE THE WALL DOES NOT SURCHARGE OR UNDERMINE ANY ADJACENT RETAINING WALLS OR STRUCTURES EITHER ON THIS OR ADJOINING PROPERTIES.
- IF WALLS HAVE OTHER WALLS IN TIERS BEHIND THEM, BUILD IN ACCORDANCE WITH OPTIONS DRAWN ABOVE.
- DO NOT BUILD OVER OR ADJACENT TO ANY WATER AUTHORITY SEWERS WITHOUT WATER CORPORATION APPROVAL.
- PROVIDE 10mm EXPANSION JOINTS AT MAX 7000 CENTRES IN STRAIGHT LENGTHS OF WALL.

THE APPROVED SIGNATURE ON THIS DETAIL ENDORSES ITS USE ON CLASS A STABLE SITES.

HOR

LAST MODIFIED: 08/02/11

CERTIFICATE OF DESIGN COMPLIANCE
Building Act 2011 Building Regulations 2012

ISSUED: 08 MAY 2012 No. 30022

Registered Building Surveyor Level 1
GARY BRUHN No. 046



PROJECT: LOT 26 TRINITY RISE COLLEGE GROVE

CLIENT: ARGIRIS PAPAS

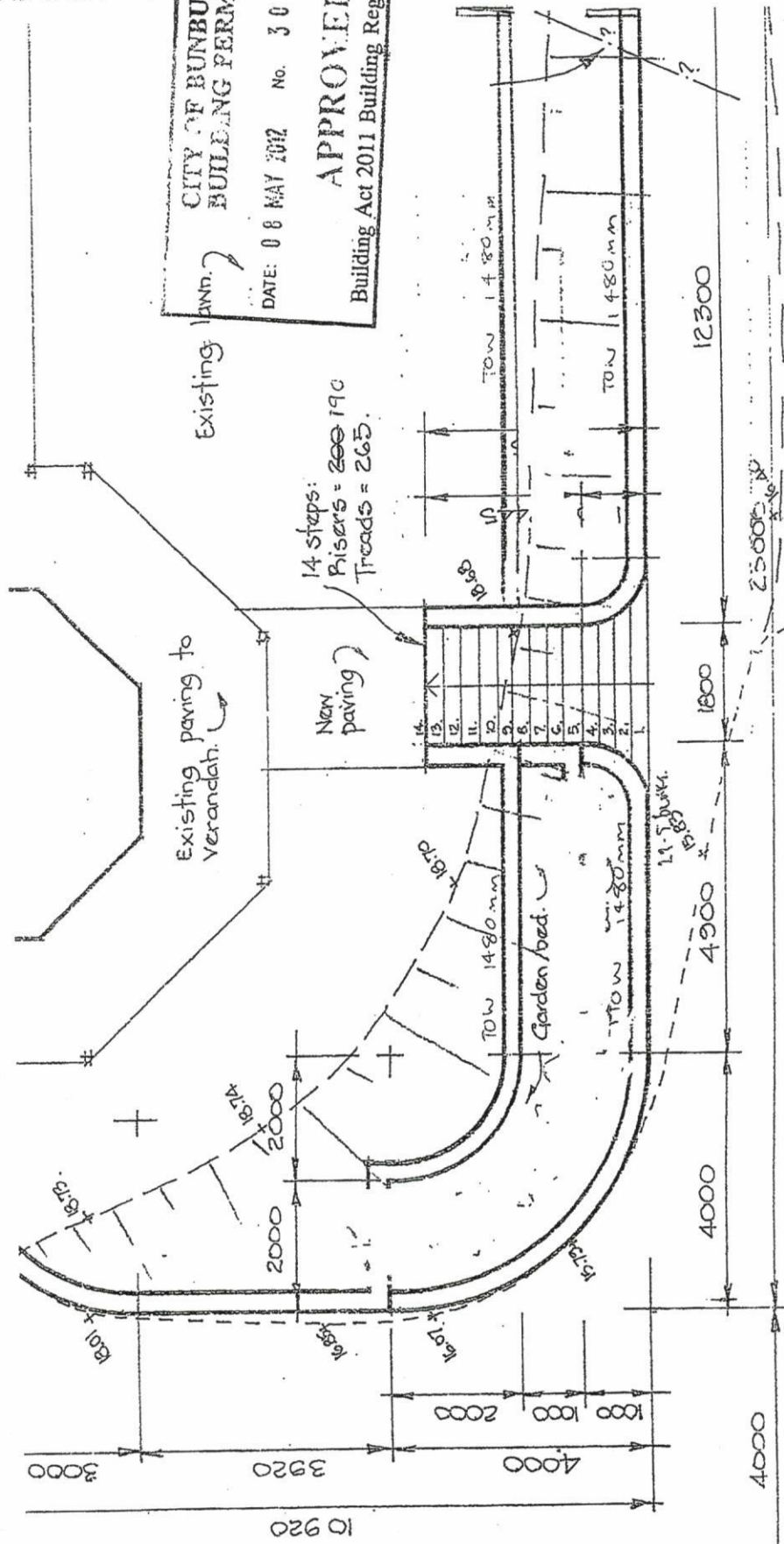
Zemlia Pty Ltd (ABN 71 349 772 837) ATF the Young Purich and Higham Unit Trust trading as Structerre Consulting Engineers
1 ERINDALE ROAD, BALCATTA WA 6021
TEL: (08) 9205 4500 FAX: (08) 9205 4501 EMAIL: info@structerre.com.au

SCALE 1:20
DATE 22/3/12

APPROVED

Handwritten signatures and initials at the bottom of the page.

Existing fence on bounds



CITY OF BUNBURY
BUILDING PERMIT
DATE: 08 MAY 2012 NO. 30022
APPROVED
Building Act 2011 Building Regulations 2012

WALLS RETURN TO SUIT EXISTING RETAINING WALLS

CERTIFICATE OF DESIGN COMPLIANCE
Building Act 2011 Building Regulations 2012
ISSUED: 08 MAY 2012 No. 30022
Registered Building Surveyor Level 1
GARY BRUHN No. 046

Existing htmix

Existing sewerage main below

Existing Sewerage Manhole (11.49m)

Existing s/s fence on body (11.49m)

'A'

Existing s/s fence on body (32.0)

PLAN. 1:100

[Signature]
L. Norman

40
Plan of