

# STABILISATION & RETAINING WALL REPLACEMENT DETAILS


7 COMEROY CRESCENT, FRENCHS FOREST

INSURED:  
TIMOTHY AND SAMANTHA DONNAN

INSURER:  
CGU

ASSESSOR:  
ENDATA

SHEET LIST			
SHEET NUMBER	SHEET NAME	REV	DATE
S01	COVER SHEET	B	20/07/2020
S02	CONSTRUCTION NOTES	B	20/07/2020
S03	TEMPORARY STABILISATION PLAN & DETAILS	B	20/07/2020
S04	RETAINING WALL DETAILS	B	20/07/2020

<div></div> <div><b>SILVER WOLF PROJECTS PTY LTD</b> ABN 36 108 257 674 Suite 2/70-87 Princess Highway KOGARAH NSW 2217 Tel/Fax: (02) 9558 2263 Email: info@silverwolfprojects.com.au Web: www.silverwolfprojects.com.au</div>										<b>CLIENT:</b> TIMOTHY AND SAMANTHA DONNAN										<b>PROJECT PARTY</b> -	
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										<b>LOCAL ADDRESS:</b> 7 COMEROY CRESCENT, FRENCHS FOREST										<b>DRAWING TITLE</b> COVER SHEET	
										<b>INSURER:</b> CGU											
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## GENERAL

- THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH OTHER ARCHITECTURAL DRAWINGS, SPECIFICATIONS, SCHEDULES AND OTHER DOCUMENTS THAT MAY BE ISSUED DURING THE COURSE OF THE CONTRACT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUPERINTENDING FOR DESIGN BEFORE PROCEEDING WITH THE WORK.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS, RELEVANT AND CURRENT ASIA BUILDING CODES AND WITHIN THE BY LAWS AND ORDINANCES OF THE RELEVANT BUILDING AUTHORITY.
3. SETTING-OUT DIMENSIONS AND SIZES OF STRUCTURAL MEMBERS NOT TO BE OBTAINED BY MEASURING SHALL BE OBTAINED BY THE CONTRACTOR BY OTHER MEANS. ALL DIMENSIONS SHALL BE CHECKED BY THE CONTRACTOR BEFORE CONSTRUCTION AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR CORRECTING ANY ERRORS IN THE WORK. ALL DIMENSIONS SHOWN ON THE DRAWINGS SHALL BE VERIFIED ON SITE BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS DURING CONSTRUCTION IT IS THE CONTRACTORS RESPONSIBILITY TO ENSURE THAT THE STRUCTURE IS MAINTAINED IN A SAFE AND STABLE CONDITION AND THAT IT IS OVERHELD/REINFORCED TO COMPENSATE FOR ANY DEFICIENCIES. THE CONTRACTOR SHALL MAINTAIN EXCAVATIONS STABLE AT ALL TIMES.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ANY EXCAVATION IN A STABLE CONDITION WITHOUT ADVERSELY AFFECTING SURROUNDING PROPERTY INCLUDING SERVICES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FOR ANY EXCAVATION. UNLESS NOTED OTHERWISE, ALL LEVELS ARE IN METRES AND ALL DIMENSIONS ARE IN MILLIMETRES.
5. THE STRUCTURAL COMPONENTS DETAILLED ON THESE DRAWINGS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE RELEVANT ASIA CODES AND NCC BUILDING CODE OF AUSTRALIA FOR THE FOLLOWING:

IMPORTANCE LEVEL 2 STRUCTURE WITH 50 YEARS DESIGN WORKING LIFE HAS BEEN ADOPTED TO AS1170.0.

BUILDING SURCHARGE 10MPa

WIND LOAD TO AS1170.2:

-HEIGHT OF STRUCTURE (H) = 2m  
-REGION A2

- TERRAIN CATEGORY = 2  
ULTIMATE REGIONAL WIND SPEED

SERVICEABILITY REGIONAL WIND SPEED ( $V_{r,s}$ ) = 37 m/s

FOR SOIL PARAMETERS REFER TO BLOCK RETAINING WALL NOTES

- 8 ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE CURRENT CODES OF PRACTICE EXCEPT WHERE VARIED BY THE SPECIFICATION AND/OR DRAWINGS.
- AS1163- STRUCTURAL STEEL HOLLOW SECTIONS
- AS1289- METHODS OF TESTING SOILS FOR ENGINEERING PURPOSES
- AS1302- STEEL REINFORCING BARS FOR CONCRETE
- AS1554-1 WELDING IN BUILDINGS
- AS1700-1 TIMBER STRUCTURES
- AS3600- CONCRETE STRUCTURES
- AS3610- FORMWORK FOR CONCRETE
- AS3700- MASONRY STRUCTURES
- AS3798- GUIDELINES FOR EARTHWORKS FOR COMMERCIAL AND RESIDENTIAL DEVELOPMENTS
- AS4100- STEEL STRUCTURES
- AS4671- STEEL REINFORCING MATERIALS

## STRUCTURAL STEEL

- |    |   |          |
|----|---|----------|
| 2  | ALL WORKMANSHIP AND MATERIALS TO BE IN ACCORDANCE WITH A51010 AND A51554  |          |
| 3  | STEEL SHALL BE FULLY CONFORM TO THE REQUIREMENTS OF A51554                |          |
| 4  | COMPONENT   | QUANTITY |
| 5  | PLATE AND FLAT PLATE  | 250      |
| 6  | NOT HOLLOW SECTIONS   | AS SHOWN |
| 7  | WELDED JOINTS   | 250      |
| 8  | WELDED JOINTS   | 250      |
| 9  | FLAT SQUARE AND ROUND BARS  | 250      |
| 10 | IN LOW SECTIONS   | 250      |
| 11 | ALL STEELWORK TO CONFORM TO A51010 AND A51554 SHALL BE FORMED FROM        |          |
| 12 | 480 HIGH STRENGTH STEEL STRIP, 250X10X10MM MAXIMUM YIELD STRESS 600MPA.   |          |
| 13 | ALL STEELWORK SHALL BE GALVANIZED AFTER FABRICATION AND BEFORE DELIVERY.  |          |
| 14 | ALL PULINGS, GIRTS AND BRIDGINGS TO BE LVSACHON OR APPROVED EQUIVALENT    |          |
| 15 | ABRICATION  |          |
| 16 | ALL STEELWORK SHALL BE FULLY WELDED                                       |          |
| 17 | WELDED JOINTS SHALL BE FULLY WELDED                                       |          |
| 18 | PERM. PARTIAL PENETRATION BUTT WELD                                       |          |
| 19 | ALL CONNECTION AND STIFFENER PLATES TO BE 10MM THICK UNDO.                |          |
| 20 | ALL WELDING SHALL BE IN ACCORDANCE WITH A51010 AND A51554                 |          |
| 21 | ALL WELDING TO BE SP. UNDO. FROM EXISTING (EXISTING) WAREHOUSE            |          |
| 22 | ALL WELDING TO BE SP. UNDO. FROM EXISTING (EXISTING) WAREHOUSE            |          |
| 23 | ALL BOLTS TO BE GALVANIZED GIRTS & E.B.L. PULING CONNECTIONS TO BE AS PER |          |
| 24 | REQUIREMENTS OF A51010 AND A51554   |          |
| 25 | ALL HOLDING DOWN BOLTS TO BE GALVANIZED GIRTS & E.B.L. UNDO.              |          |
| 26 | PREPARATION OF SHOP DRAWINGS  |          |
| 27 | ALL CONNECTIONS AND STIFFENERS SHALL BE 10MM THICK UNDO.                  |          |
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| 95 | ALL CONNECTIONS AND STIFFENERS SHALL BE 10MM THICK UNDO.                  |          |

### CONCRETE BLOCK RETAINING WALL

- [illegible]

## UTILITIES

1. THE LOCATION OF UTILITIES SHOWN ON THESE DRAWINGS ARE INDICATIVE ONLY. THE CONTRACTOR SHALL, BEFORE COMMENCING ANY WORKS:
- a. DETERMINE THE EXTENT OF EXISTING UTILITY SURVEY AND INFORMATION REFERENCED ON THESE DRAWINGS.
  - b. OBTAIN CURRENT DIAL BEFORE YOU DIG PLANS AND INFORMATION BY TELEPHONING 1100 OR FAX 1300 682 077 TO ASCERTAIN THE EXACT LOCATION OF UTILITIES.



- c. MAKE ANY OTHER ACQUIRES AS THE CONTRACTOR CONSIDERS NECESSARY TO SATISFY ITSSELF AS TO THE EXACT LOCATION OF UTILITY SERVICES; AND
- d. ENSURE THAT THE ADOPTED WORK METHOD WILL AVOID DAMAGE TO ALL UTILITIES.
2. THE CONTRACTOR SHALL EXERCISE CAUTION WHEN WORKING IN THE VICINITY OF EXIST UTILITY SERVICES.
3. THIS FIRM WILL NOT BE LIABLE FOR ANY COSTS ARISING FROM DAMAGE TO ANY UTILITY SERVICES CAUSED BY THE CONTRACTOR.

**TIMBER**

- 1 ALL WORMSHANS AND MATERIALS ARE TO BE IN ACCORDANCE WITH CURRENT SAS CODES AS1684, AS1720 & AS2599
- 2 ALL MEMBERS ARE TO BE H2 OR T2 TREATED U.N.O
- 3 ALL EXTERNAL ABOVE GROUND MEMBERS ARE TO BE H3 TREATED U.N.O
- 4 ALL HOLES FOR BOLTS ARE TO BE A 30x31 CUT. WASHERS ARE TO BE PROVIDED UNDER ALL BOLTS
- 5 ALL BOLTED CONNECTIONS ARE TO BE M16 AND NO CONNECTION TO HAVE LESS THAN 2 BOLT NUTS
- 6 ALL BOLTS, NAILS, CLOUTS AND SCREWS ARE TO BE GALVANIZED IN ACCORDANCE WITH RELEVANT AUSTRALIAN STANDARDS
- 7 ALL CUT ENDS OF MEMBERS ARE TO BE TREATED TO ACHIEVE THE REQUIRED HAZARD PROTECTION LEVEL
- 8 THE CONTRACTOR'S RESPONSIBILITY TO ADEQUATELY INSTALL THE DOWN CONNECTION FROM ROOF TO WALLS VIA TOP PLATE, TOP PLATE TO STUD/MEMBER WALL, STUD WALL TO FLOOR VIA BOTTOM PLATE AND FROM FLOOR TO FOOTINGS. ALL HOLD DOWN TO ROOF, WALLS OR FOUNDATION ARE TO BE IN ACCORDANCE WITH AS3600 AND AS4574.
- 9 TERMITE MANAGEMENT SYSTEM TO BE IN ACCORDANCE WITH AS3660



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	2017-2020	M	B	D	B		2017-2020
<b>B</b>	<b>ISSUED FOR QC</b>					<b>DESIGNED</b>	26/07/2020
<b>A</b>	<b>ISSUED FOR TENDERS</b>	03/10/2020	M	B	D	<b>DESIGNED</b>	26/07/2020
	<b>DESCRIPTION</b>					<b>DESIGNED</b>	26/07/2020
						<b>DESIGNED</b>	26/07/2020
						<b>DESIGNED</b>	26/07/2020

CLIENT  
TIMOTHY AND SAMANTHA DONNAN

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PROJECT  
STABILISATION & RETAINING WALL REPLACEMENT  
DETAILS

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PROJECT ADDRESS  
7 COMEROY CRESCENT, FRENCHS FOREST


PROJECT PART	
DRAWING TITLE	
CONSTRUCTION NOTES	
PROJECT NUMBER SWP 1903202	
DRG NUMBER SWP DWG-1903202-S02	
HEIGHT DATUM: A.H.D	
B	A2



1. ALL BLOCKS ARE TO BE 200 SERIES.
2. ALL CORES 20MPa FULLY GROUTED WITH MINIMUM 300 kg/m3 CEMENT CONTENT.
3. CLEAN OUT BLOCKS TO BE USED FOR BOTTOM COURSE.
4. ALL BARS TO HAVE 50 mm COVER FROM OUTSIDE CONCRETE SURFACE.
5. RETAINING WALL HAS BEEN DESIGNED FOR THE FOLLOWING GEOTECHNICAL PARAMETERS AS PER GEOTECHNICAL REPORT BY ALLIANCE GEOTECHNICAL REPORT NUMBER 10441-GR-1-1.

GRANULAR COHESIONLESS ( $C_u = 0$ )  
UNIT WEIGHT ( $\gamma$ ) = 17 kN/m<sup>3</sup>  
ANGLE OF FRICTION ( $\phi$ ) = 26°  
BEARING CAPACITY = 100 kPa



<div><div><b>SILVER WOLF PROJECTS PTY LTD</b> ABN 36 108 257 674 10/110 270 St Princes Highway SULLY NSW 2258 Tel: (02) 8584 2263 Email: info@silverwolfprojects.com.au Web: www.silverwolfprojects.com.au</div></div>										<div><b>TIMOTHY AND SAMANTHA DONNAN</b>  ALIAS <b>SLAB STABILISATION &amp; RETAINING WALL REPLACEMENT</b> DETAILS 1/06/2020 <b>COMEROY CRESCENT, FRENCHS FOREST</b></div>										<div>PROJECT NAME</div>			
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<div>DRAWING NO <b>CGU</b></div>										<div><b>RETAINING WALL DETAILS</b></div>										<div>PROJECT NUMBER</div>			
<div>DESIGNED M.B. CHECKED N.H. DATE 01/06/2020</div>										<div>SWP 19032002 SWP-DWG-19032002-004</div>										<div>1 : 15</div>			
<div>B ISSUED FOR GC B ISSUED FOR TENDERING REV1</div>										<div>DATE 01/06/2020 M.B. D.B. DATE 01/06/2020 DATE 01/06/2020 DRAWN APPROVED</div>										<div>END DATE DATE 01/06/2020</div>		<div>A2</div>	