GENERAL

1 THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH OTHER ARCHITECTURAL DRAWINGS, PLANS AND SPECIFICATIONS AND SUCH OTHER WRITTEN INSTRUCTIONS AS MAY BE ISSUED DURING THE COURSE OF THE CONTRACT. ALL DISCREPANCIES SHALL BE REFERRED TO THE SUPERINTENDENT FOR DECISION BEFORE PROCEEDING WITH THE WORK.

2 ALL MATERIALS AND WORKMANSHIP TO BE IN ACCORDANCE WITH THE RELEVANT AND CURRENT S.A.A. CODES AND WITH THE BY-LAWS AND ORDINANCES OF THE RELEVANT BUILDING AUTHORITIES.

3 SETTING-OUT DIMENSIONS AND SIZES OF STRUCTURAL MEMBERS NOT TO BE OBTAINED BY SCALING THE STRUCTURAL DRAWINGS. ANY SETTING-OUT DIMENSIONS SHOWN IN THE STRUCTURAL DRAWINGS TO BE CHECKED BY THE CONTRACTOR BEFORE CONSTRUCTION COMMENCES. REFER ANY DISCREPANCY TO THE SUPERINTENDENT BEFORE PROCEEDING WITH THE WORK. ALL DIMENSIONS SHOWN ON THE DRAWINGS SHALL BE VERIFIED ON SITE BY THE CONTRACTOR PRIOR TO CONSTRUCTION OR FABRICATION.

4 DURING CONSTRUCTION IT IS THE CONTRACTORS RESPONSIBILITY TO ENSURE THAT THE STRUCTURE IS MAINTAINED IN A SAFE AND STABLE CONDITION AND NO PART IS OVERSTRESSED. TEMPORARY BRACING TO BE PROVIDED BY THE CONTRACTOR AS REQUIRED TO KEEP THE WORKS AND EXCAVATIONS STABLE AT ALL TIMES.

5 THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ANY EXCAVATION IN A STABLE CONDITION WITHOUT ADVERSELY AFFECTING SURROUNDING PROPERTY INCLUDING SERVICES. THIS INCLUDES OBTAINING ALL NECESSARY APPROVALS FOR SHORING AND ANCHORING SYSTEMS.

6 UNLESS NOTED OTHERWISE, ALL LEVELS ARE IN METRES AND ALL DIMENSIONS ARE IN MILLIMETRES.

7 THE STRUCTURAL COMPONENTS DETAILED ON THESE DRAWINGS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE RELEVANT S.A.A. CODES AND NCC BUILDING CODE OF AUSTRALIA FOR THE FOLLOWING LOADINGS: -

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

BUILDING SURCHARGE 10kPa

WIND LOAD TO AS1170.2:
-HEIGHT OF STRUCTURE (H) = 2m
-REGION A2
-TERRAIN CATEGORY = 2
ULTIMATE REGIONAL WIND SPEED (Vr) = 45 m/s.
SERVICEABILITY REGIONAL WIND SPEED (Vr.s) = 37 m/s.

FOR SOIL PARAMETERS REFER TO BLOCK RETAINING WALL NOTES

EARTHQUAKE LOADING HAS BEEN DETERMINED IN ACCORDANCE WITH AS1170.4.

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
AS1720.1 - 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

1 ALL WORKMANSHIP AND MATERIALS TO BE IN ACCORDANCE WITH AS4100 AND AS1554.

2 STEEL COMPONENTS SHALL CONFORM TO THE FOLLOWING TABLE U.N.O.

COMPONENT	AUSTRALIAN STANDARD	GRADE
PLATE AND FLOOR PLATE	AS3678	250
HOT ROLLED SECTIONS	AS3679.1	300
WELDED T SECTIONS	AS3679.2	300
FLAT, SQUARE AND ROUND BARS	AS3679.1	250
HOLLOW SECTIONS	AS1163	350

3 ALL COLD FORMED SECTIONS TO CONFORM TO AS1538 AND SHALL BE ROLL-FORMED FROM ZINC COATED HIGH STRENGTH STEEL STRIP, ZINC-HIGH TEN MINIMUM YIELD STRESS 450MPA, 300G/M2 MINIMUM GALVANISE COATING MASS UNLESS OTHERWISE NOTED ON DRAWINGS. ALL PURLINS, GIRTS AND BRIDGING TO BE LYSAGHT OR APPROVED EQUIVALENT.

4 ABBREVIATIONS
CFW - CONTINUOUS FILLET WELD
FPBW - FULL PENETRATION BUTT WELD
PPBW - PARTIAL PENETRATION BUTT WELD

5 ALL CONNECTION AND STIFFENER PLATES TO BE 10MM THICK U.N.O.

6 ALL WELDS TO BE 6MM CONTINUOUS FILLET STRUCTURAL PURPOSE (SP) WELDS U.N.O. ALL WELDING TO BE SP U.N.O. FROM E4100 (ELECTRODES/W400WIRE).

7 ALL BOLTS TO BE M20 AND NO CONNECTION TO HAVE LESS THAN 2 BOLTS U.N.O.

8 ALL BOLTS TO BE GALVANISED GRADE 8.8/S U.N.O. PURLIN CONNECTIONS TO BE AS PER MANUFACTURERS SPECIFICATION U.N.O.

9 ALL HOLDING DOWN BOLTS TO BE GALVANISED GRADE 4.6/S U.N.O.

10 THE LOCATION OF ALL EXISTING ELEMENTS SHALL BE SITE MEASURED PRIOR TO THE PREPARATION OF SHOP DRAWINGS.

11 THE CONTRACTOR SHALL MAKE THE NECESSARY ALLOWANCES FOR COORDINATING ALL ARCHITECTURAL AND STRUCTURAL ELEMENTS IN THE PREPARATION OF STRUCTURAL STEELWORK SHOP DRAWINGS AND SUBSEQUENT FABRICATION AND ERECTION. CONNECTION DETAILS SHOWN ON STRUCTURAL DRAWINGS ARE TYPICAL ONLY. WITH AS4100 & THE AISC PUBLICATION " DESIGN OF STRUCTURAL CONNECTIONS' & 'STANDARDISED STRUCTURAL CONNECTIONS". THESE DETAILS SHALL TAKE DUE ACCOUNT OF ARCHITECTURAL & SERVICES REQUIREMENTS & SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL. THE ENGINEER SHALL SUPPLY LOADS AS REQUIRED. ALL COSTS & THE IMPLICATIONS ASSOCIATED WITH THESE WORKS ARE TO BE ALLOWED FOR BY THE CONTRACTOR.

12 ALL REACTIONS SHOWN ARE IN KN U.N.O.

13 SHOP DRAWINGS TO BE SUBMITTED IN TRIPLICATE TO THE SUPERINTENDENT -ENGINEER FOR APPROVAL AT LEAST 10 WORKING DAYS PRIOR TO THE COMMENCEMENT OF FABRICATION. FABRICATION IS NOT TO COMMENCE WITHOUT THE ENGINEER'S APPROVAL OF WORKSHOP DRAWINGS. ALL DIMENSIONS AND SETOUTS TO BE OBTAINED FROM ARCHITECTURAL DRAWINGS WHERE NOT INDICATED ON STRUCTURAL DRAWINGS.

14 ALL FABRICATION OF THE STEEL MEMBERS IS TO BE UNDERTAKEN IN ACCORDANCE WITH AS4100 SECTION 14.

15 AFTER FABRICATION ALL STEELWORK NOTED ON THE DRAWINGS AND STEELWORK BUILT IN EXTERNAL WALLS ARE TO BE HOT DIP GALVANISED AFTER PICKLE OR ABRASIVE BLAST CLEANED TO CLASS 2.5 TO AS1627.4, TO COMPLY WITH AS4680. REFER TO ARCHITECTURAL DETAILS FOR TOP COATS.

16 ANY SITE WELDING AND DRILLING INTO THE STEEL MEMBERS ARE TO BE TREATED WITH INTERZINC 52 OR APPROVED EQUIVALENT ZINC RICH COATING TO 75µm DFT IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATION.

17 STRUCTURAL STEEL ITEMS WHICH ARE PROTECTED FROM WEATHER TO BE ABRASIVE BLAST CLEANED TO CLASS 2.5 TO AS 1627.4, TO BE PRIMED BY INTERZINC 75 OR APPROVED EQUIVALENT TO 75µm DFT.

18 ALL CASES OF DAMAGE TO THE PROTECTIVE COATING OF STEELWORK SHALL BE BROUGHT TO THE ATTENTION OF THE SUPERINTENDENT. WITH THE SUPERINTENDENT'S APPROVAL, MINOR DAMAGE MAY BE REPAIRED AS FOLLOWS -
MECHANICALLY GRIND SURFACE TO ACHIEVE SMOOTH AND BRIGHT METAL COMPARABLE TO CLASS 2. APPLY ZINC RICH PRIMER TO A DRY FILM THICKNESS AS PER SPECIFICATION REQUIREMENTS.

19 THE ENDS OF ALL HOLLOW SECTIONS SHALL BE SEALED.

20 EXAMINATION OF WELDS TO BE (INSPECTION AND TEST RECORDS TO BE SUBMITTED TO THE SUPERINTENDENT):-
a.VISUAL SCANNING TO AS1554.1 APPENDIX F ON 100% OF WELDS.
b.VISUAL EXAMINATION TO AS1554.1 APPENDIX F ON 10% OF GP WELDS AND 20% OF SP WELDS.
c.MAGNETIC PARTICLE EXAMINATION TO BE PERFORMED ON 1% OF GP WELDS AND 5% OF SP WELDS.
d.RADIOGRAPHY OR ULTRASONIC TESTING TO BE PERFORMED ON 2.5% FILLET WELDS AND 10% OF BUTT WELDS.

21 THE FABRICATION AND ERECTION OF THE STRUCTURAL STEEL WORK TO BE SUPERVISED BY AN ENGINEER EXPERIENCED IN SUCH SUPERVISION TO ENSURE THAT ALL REQUIREMENTS OF THE DESIGN ARE MET.

22 THE CONTRACTOR TO PROVIDE ALL CLEATS AND DRILL ALL HOLES NECESSARY FOR FIXING STEEL ELEMENTS WHETHER OR NOT DETAILED ON THE DRAWINGS.

23 SUITABLE EQUIPMENT TO BE USED DURING LOADING, TRANSPORT AND ERECTION OF STEELWORK TO AVOID DAMAGE TO THE STEELWORK FINISHES. STEELWORK STORED ON SITE TO BE PROTECTED AGAINST CORROSION OR DETERIORATION OF PAINTED SURFACES.

24 THE CONTRACTOR SHALL PROVIDE TEMPORARY BRACING AND LEAVE IN PLACE UNTIL PERMANENT BRACING ELEMENTS ARE CONSTRUCTED SUCH TEMPORARY BRACING AS IS NECESSARY TO STABILISE THE STRUCTURE DURING ERECTION. ERECTION OF STEEL STRUCTURE AND ITS COMPONENTS TO BE UNDERTAKEN IN ACCORDANCE WITH AS4100 SECTION 15.

25 AFTER TIGHTENING, EXPOSED FACES OF BOLTS, NUTS AND WASHERS SHALL BE PREPARED AND COATED AS SPECIFIED OR AS FOR ADJACENT STEELWORK.

CONCRETE BLOCK RETAINING WALL

1 RETAINING WALL HAS BEEN DESIGNED FOR THE FOLLOWING LIVE LOADS (SURCHARGE) IN ACCORDANCE WITH AS4678: EARTH-RETAINING STRUCTURES:
a.CLASS A - 2.5kPa FOR WALLS UP TO 1.5m HIGH AND SLOPING SURFACE UP TO 4:1.
b.CLASS B – 5.0kPa FOR WALLS OVER 1.5m HIGH AND SLOPING SURFACE UP TO 5 DEGREES.

2 A 10KPA SURCHARGE HAS BEEN ALLOWED FOR IN THE LOCATION OF THE EXISTING STRUCTURE TO ALLOW FOR DEAD LOAD.

3 SLOPING SURFACE STEEPER THAN THE ABOVE MENTIONED SLOPES IS NOT INCLUDED IN THIS DESIGN; THEREFORE, ANY DISCREPANCY FROM THE ABOVE MENTIONED PARAMETERS SHALL BE SPECIFICALLY DESIGNED BY THE ENGINEER.

4 MATERIAL SPECIFICATIONS ARE TO BE IN ACCORDANCE WITH RELEVANT CONSTRUCTION NOTES UNDER CONCRETE AND BLOCKWORK SECTIONS.

5 RETAINING WALL HAS BEEN DESIGNED FOR THE FOLLOWING SOIL CLASSIFICATION AND GEOTECHNICAL PARAMETERS:

a. BACKFILL SOIL HAS BEEN ASSUMED TO BE FULLY DRAINED WITHOUT ANY GROUNDWATER LEVEL BEHIND THE WALL.
b. SOIL UNIT WEIGHT (ϒ) = 19kN/m3.

6 ALL THE ABOVE MENTIONED MINIMUM GEOTECHNICAL PARAMETERS ARE TO BE CERTIFIED BY A QUALIFIED GEOTECHNICAL ENGINEER.

7 IT IS ESSENTIAL THAT STEPS BE TAKEN TO PREVENT THE SOIL BEHIND THE WALL FROM BECOMING SATURATED. THESE STEPS SHOULD INCLUDE:
a.SEALING THE SOIL SURFACE – THIS CAN BE DONE BY COVERING IT WITH A COMPACTED LAYER OF MATERIAL WITH LOW PERMEABILITY. THE SURFACE SHOULD BE SLOPED TOWARDS AN OPEN DRAIN.
b.A DRAINAGE SYSTEM WITHIN THE SOIL – THIS CAN BE DONE BY PLACING GRAVEL TO A WIDTH OF APPROXIMATELY 300mm IMMEDIATELY BEHIND THE WALL WITH A CONTINUOUS 100mm DIAMETER SLOTTED PVC AGRICULTURAL PIPE WITH GEO FABRIC SOCK LOCATED AT THE BASE OF THE WALL. THE OUTLETS FROM THE PIPE MUST BE BEYOND THE ENDS OF THE WALL UNLESS THE PIPE IS CONNECTED TO A PROPER STORM WATER DRAINAGE SYSTEM.
c.FOR HIGHER WALLS, OR IN CASES WHERE EXCESSIVE GROUND WATER EXISTS IT MAY BE NECESSARY TO PROVIDE ANOTHER AGRICULTURAL PIPE DRAIN AT MID-HEIGHT OF THE WALL.

8 CLEANOUT OPENINGS SHOULD BE PROVIDED IN THE BOTTOM COURSE USING EITHER 20.61 BLOCKS PLUS TIMBER FORMWORK AT THE FRONT OR 20.45 BLOCKS PLUS 20.45 A BISCUITS TO PERMIT REMOVAL OF MORTAR FINS AND OTHER DEBRIS, AND TO ALLOW POSITIONING AND TYING OF VERTICAL REINFORCEMENT. THESE OPENINGS MUST BE CLOSED BEFORE GROUTING.

9 ABOVE THE FIRST COURSE, THE USE OF 15.48, 20.48 AND 30.48 H-BLOCKS IS RECOMMENDED BECAUSE THEY ARE EASIER TO FILL WITH GROUT AND PROVIDE REQUIRED PROTECTION OF THE REINFORCEMENT.

10 MORTAR PROJECTING INTO THE CORES SHOULD BE REMOVED, EITHER AS THE BLOCKS ARE LAID, OR BY RODDING AFTER THE MORTAR HAS SET. DEBRIS SHOULD BE REMOVED FROM THE CORES THROUGH THE CLEANOUT OPENINGS.

11 WHEN THE WALL IS TO BE TANKED, THE MORTAR JOINTS ON THAT FACE SHOULD BE STRUCK FLUSH AND CLEANED.

12 REINFORCEMENT MUST BE POSITIONED ACCURATELY AND TIED SECURELY BEFORE PLACING CONCRETE OR GROUT. VERTICAL REINFORCING BARS INCLUDING STARTER BARS, SHOULD BE AS CLOSE TO THE BACK FACE OF THE WALL AS POSSIBLE, CONSISTENT WITH MIN 50mm COVER REQUIREMENTS.

13 INFILL SOIL SHOULD NOT PLACED BEHIND THE WALL UNTIL AT LEAST TEN (10) DAYS AFTER GROUTING. INFILL SOIL SHOULD BE PLACED AND COMPACTED IN LAYERS NOT MORE THAN 200mm DEEP.

14 THE DRAINAGE SYSTEM SHOULD BE INSTALLED PROGRESSIVELY AS THE INFILL SOIL RISES. THE DRAINAGE SYSTEM BEHIND THE WALL SHOULD BE CONNECTED TO THE MAIN DRAINAGE SYSTEM.

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.

DIAL BEFORE YOU DIG www.1100.com.au

c MAKE ANY OTHER ENQUIRIES AS THE CONTRACTOR CONSIDERS NECESSARY TO SATISFY ITSELF 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 EXISTING 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 WORKMANSHIP AND MATERIALS ARE TO BE IN ACCORDANCE WITH CURRENT SAA CODES AS1684, AS1720 & AS3959.
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 SNUG FIT. WASHERS ARE TO BE PROVIDED UNDER ALL NUTS AND BOLTS AND TO BE A MINIMUM 2.5 TIMES THE DIAMETER OF THE BOLT.
5 ALL BOLTED CONNECTIONS ARE TO BE M16 AND NO CONNECTION TO HAVE LESS THAN 2 BOLTS U.N.O.
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 IT IS THE CONTRACTOR'S RESPONSIBILITY TO ADEQUATELY INSTALL TIE-DOWN CONNECTIONS FROM ROOF TO WALLS VIA TOP PLATE, TOP PLATE TO STUD/MASONRY WALL, STUD WALLS TO FLOOR VIA BOTTOM PLATE AND FROM FLOOR TO FOOTINGS. ALL HOLD DOWN TO ROOF, WALL AND FLOOR FRAMING TO BE IN ACCORDANCE WITH AS1684, AS3700 AND AS4773.
9 TERMITE MANAGEMENT SYSTEM TO BE IN ACCORDANCE WITH AS3660.

northern beaches council

THIS PLAN IS TO BE READ IN CONJUNCTION WITH THE CONDITIONS OF DEVELOPMENT CONSENT

DA2020/0737

REV	DESCRIPTION	DATE	DRAWN	APPROVED
B	ISSUED FOR CC	20/07/2020	M.B	D.B
A	ISSUED FOR TENDERING	03/03/2020	M.B	D.B

SILVER WOLF PROJECTS PTY LTD
ABN 36 108 257 674
Suite 2/79-87 Princes Highway
KOGARAH NSW 2217
Tel/Fax: (02) 9358 2263
Email info@silverwolfprojects.com.au
Web www.silverwolfprojects.com.au

DRAWN	M.B	20/07/2020
DESIGNED	M.B	20/07/2020
DRG CHECKED	N.H	20/07/2020
DESIGN CHECKED	N.H	20/07/2020
APPROVED	D.B	20/07/2020

CLIENT: TIMOTHY AND SAMANTHA DONNAN

PROJECT: STABILISATION & RETAINING WALL REPLACEMENT DETAILS

PROJECT ADDRESS: 7 COMEROY CRESCENT, FRENCHS FOREST

PROJECT PART

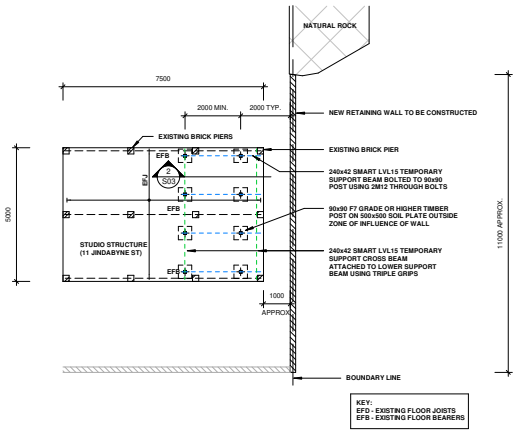
DRAWING TITLE: CONSTRUCTION NOTES

PROJECT NUMBER	SWP 1903202
DRG NUMBER	SWP-DWG-1903202-S02
HEIGHT DATUM: A.H.D	

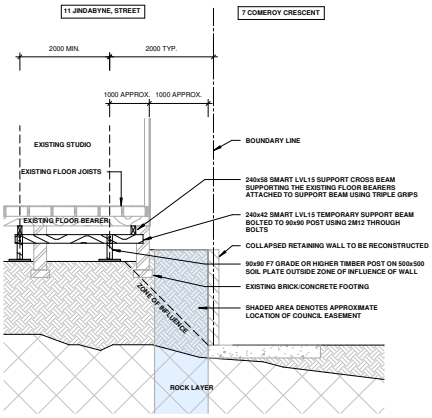
SCALE@ REV: B SIZE: A2

PLOT DATE & TIME: 20/07/2020 10:55:45 AM

SWP-F-08.05 REV A



1 PLAN - TEMPORARY STABILITY OF NEIGHBOURING STUDIO
NTS

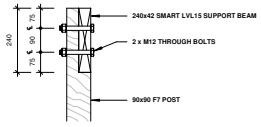


METHODOLOGY FOR STABILISATION:

1. INSTALL 8-90x90 F7 TIMBER POSTS 2000mm AWAY FROM EDGE OF SOIL FACE.
2. INSTALL NEW 240mm x 42mm SMART LVL15 SUPPORT BEAMS AS PER PLAN & DETAILS ATTACHED TO TIMBER POSTS USING 2M12 THROUGH BOLTS.
3. INSTALL NEW 240mm x 42mm SMART LVL15 SUPPORT CROSS BEAMS, THE EXISTING FLOOR BEARERS ARE REQUIRED TO BE SUPPORTED USING THE NEW SMART LVL SUPPORT BEAMS, PACK IF REQUIRED.

NOTE: IF THE EXISTING BRICK PIERS ON THE EASTERN SIDE OF THE SUBJECT PROPERTY BECOME DISENGAGED DURING THE RETAINING WALL REPLACEMENT THEN THEY WILL BE REQUIRED TO BE REPLACED USING CONCRETE FOOTINGS DOWN TO BEDROCK.

2 S03 SECTION - TEMPORARY STABILITY
NTS



3 DETAIL - POST TO SUPPORT BEAM
1 : 10

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THIS PLAN IS TO BE READ IN CONJUNCTION WITH THE CONDITIONS OF DEVELOPMENT CONSENT

DA2020/0737

REV	DESCRIPTION	DATE	DRAWN	APPROVED
B	ISSUED FOR CC	20/07/2020	M.B	D.B
A	ISSUED FOR TENDERING	03/03/2020	M.B	D.B

SILVER WOLF PROJECTS PTY LTD
ABN 36 108 257 674
Suite 2/79-87 Princes Highway
KOGARAH NSW 2217
Tel/Fax: (02) 9358 2263
Email info@silverwolfprojects.com.au
Web www.silverwolfprojects.com.au

DRAWN	M.B	20/07/2020
DESIGNED	M.B	20/07/2020
DRG CHECKED	N.H	20/07/2020
DESIGN CHECKED	N.H	20/07/2020
APPROVED	D.B	20/07/2020

INSURED: TIMOTHY AND SAMANTHA DONNAN

CLASS: STABILISATION & RETAINING WALL REPLACEMENT DETAILS

LOSS ADDRESS: 7 COMEROY CRESCENT, FRENCHS FOREST

INSURER: CGU

ASSESSOR: ENDATA

PROJECT PART

DRAWING TITLE: TEMPORARY STABILISATION PLAN & DETAILS

PROJECT NUMBER	SWP 1903202
DRG NUMBER	SWP-DWG-1903202-S03
HEIGHT DATUM: A.H.D	

SCALE: As indicated
REV: B
SIZE: A2

SWP-F-08.05 REV A

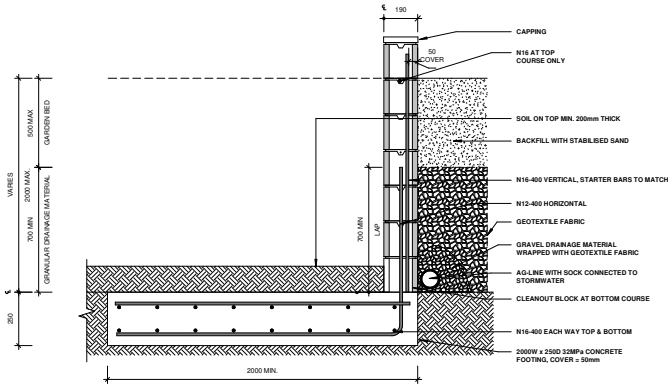
PLOT DATE & TIME: 20/07/2020 10:55:45 AM

NOTES:

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 PARAMAETERS AS PER GEOTECHNICAL REPORT BY ALLIANCE GEOTECHNICAL REPORT NUMBER 10441-GR-1-1.

GEOTECHNICAL PARAMETERS

GRANULAR COHESSIONLESS (Cu= 0)
UNIT WEIGHT (γ)= 17 kN/m3
ANGLE OF FRICTION (Φ) = 26°
BEARING CAPACITY = 100 kPa



1 TYPICAL RETAINING WALL DETAIL
1 : 15

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THIS PLAN IS TO BE READ IN CONJUNCTION WITH THE CONDITIONS OF DEVELOPMENT CONSENT

DA2020/0737

REV	DESCRIPTION	DATE	DRAWN	APPROVED
B	ISSUED FOR CC	20/07/2020	M.B	D.B
A	ISSUED FOR TENDERING	03/03/2020	M.B	D.B

SILVER WOLF PROJECTS PTY LTD
ABN 36 108 257 674
Suite 2/79-87 Princes Highway
KOGARAH NSW 2217
Tel/Fax: (02) 9358 2263
Email info@silverwolfprojects.com.au
Web www.silverwolfprojects.com.au

DRAWN	M.B	20/07/2020
DESIGNED	M.B	20/07/2020
DRG CHECKED	N.H	20/07/2020
DESIGN CHECKED	N.H	20/07/2020
APPROVED	D.B	20/07/2020

INSURED: TIMOTHY AND SAMANTHA DONNAN

CLAIM: STABILISATION & RETAINING WALL REPLACEMENT DETAILS

LOSS ADDRESS: 7 COMEROY CRESCENT, FRENCHS FOREST

INSURER: CGU

ASSESSOR: ENDATA

PROJECT PART

DRAWING TITLE: RETAINING WALL DETAILS

PROJECT NUMBER	SWP 1903202
DRG NUMBER	SWP-DWG-1903202-S04
HEIGHT DATUM: A.H.D	

SCALE: 1 : 15 @ A2
REV: B

SWP-F-08.05 REV A

PLOT DATE & TIME: 20/07/2020 10:55:45 AM