

PROPOSED RESIDENTIAL SUBDIVISION STRUCTURAL DRAWINGS - RETAINING WALLS FOR TUNNEY INVESTMENTS AT 574-608 SOUTH ST TOOWOOMBA QLD 4350

RECEIVED
29/08/2025
TOOWOOMBA
REGIONAL COUNCIL



LOCALITY SITE PLAN

SCALE NTS
REFER TO RETAINING WALL SITE PLAN ON DRAWING 19002 - S01
REFER ALSO TO CIVIL DESIGN DRAWINGS PREPARED BY AM CIVIL

GENERAL STRUCTURAL NOTES

- 001 THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH ALL CONSULTANTS CURRENT DRAWINGS, SPECIFICATIONS, LOCAL AUTHORITY APPROVALS AND WITH OTHER WRITTEN INSTRUCTIONS AS MAY BE ISSUED DURING THE COURSE OF THIS PROJECT. THE USE OF ALL AUSTRALIAN STANDARDS AND BUILDING CODES REFERRED TO IN DOCUMENTS ARE TO BE CURRENT AS OF THE FOR CONSTRUCTION ISSUE DATE NOTED ON THESE DRAWINGS.
- 002 CONTRACTOR TO ENSURE CONSTRUCTION IS CARRIED OUT IN ACCORDANCE TO LATEST REVISION DOCUMENTS AND TO KEEP A COMPLETE FULL SET ON SITE AT ALL TIMES.
- 003 ONLY DRAWINGS WITH THE APPROVAL SIGNATURE IN THE TITLE BLOCK ARE TO BE USED FOR CONSTRUCTION PURPOSES. ANY DRAWINGS WITHOUT SIGNATURES PRESENT ARE UNCONTROLLED COPIES AND NOT TO BE USED FOR CONSTRUCTION.
- 004 CONSTRUCTION USING THESE DRAWINGS SHALL NOT COMMENCE UNTIL A DESIGN CERTIFICATE/FORM 15 IS ISSUED BY THIS OFFICE AND ALL RELEVANT APPROVALS HAVE BEEN OBTAINED.
- 005 ANY DISCREPANCIES IN THE DOCUMENTS SHALL BE REFERRED TO THIS OFFICE FOR DIRECTION PRIOR TO PROCEEDING WITH THE WORK.
- 006 SETTING OUT DIMENSIONS AND SIZES SHALL BE OBTAINED FROM RELEVANT DRAWINGS, NO SCALING OFF DRAWINGS. THE CONTRACTOR IS TO CONFIRM AND VERIFY ON SITE AND SETTING OUT DIMENSIONS SHOWN ON DRAWINGS PRIOR TO CONSTRUCTION.
- 007 UNLESS NOTED OTHERWISE, ALL DIMENSIONS ARE IN MILLIMETRES AND ALL LEVELS IN METRES.
- 008 DURING CONSTRUCTION THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL STRUCTURES IN A STABLE CONDITION AND PROTECTION AND SAFETY OF PUBLIC AND WORKERS.
- 009 ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT EDITIONS, INCLUDING AMENDMENTS, OF THE BUILDING CODE OF AUSTRALIA, AUSTRALIAN STANDARDS, JOB SPECIFICATIONS AND CODES OF PRACTICE.
- 010 ALTERNATIVES TO PROPRIETARY PRODUCTS SPECIFIED ON DRAWINGS ARE NOT TO BE USED WITHOUT WRITTEN APPROVAL OF THE CERTIFYING ENGINEER. ANY COSTS FOR THE APPROVAL PROCESS TO BE BORNE BY THE CONTRACTOR. CONTRACTORS ARE TO SUPPLY DOCUMENTARY EVIDENCE THAT ALL BUILDING MATERIALS USED ON THE PROJECT MEET RELEVANT STANDARDS AS NOTED IN POINT 009 ABOVE. DOCUMENTARY EVIDENCE IS IN THE FORM OF TEST CERTIFICATES. TEST RESULTS ARE TO BE PRESENTED TO THE CERTIFYING ENGINEER PRIOR TO USE AND TO BE BY LOCAL NATA ACCREDITED LABORATORY AND PROVIDE A TEST CERTIFICATE. ALL COST FOR TESTING, APPROVAL PROCESS AND FURTHER TESTING IS TO BORNE BY THE CONTRACTOR.
- 012 CONTRACTORS ARE TO SUPPLY TEST COMPLIANCE CERTIFICATES AS REQUESTED IN LOCAL AUTHORITY PERMITS AND APPROVALS.

STRUCTURAL STEEL NOTES

- 001 ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS4100.
- 002 STRUCTURAL STEEL WORK SHALL BE ERRECTED IN ACCORDANCE WITH AS4100, AS3828. THE DETAILS SHOWN ON THESE DRAWING ARE TO SUIT THE COMPLETED IN SERVICE CONDITION. THE BUILDER SHALL BE RESPONSIBLE FOR THE SAFE ERECTION OF THE STEELWORK THROUGHOUT THE ERECTION PROCEDURE. THE STEELWORK SHALL BE SECURELY SUPPORTED AND FIXED TO ENSURE IT CAN ADEQUATELY WITHSTAND ALL LOADINGS LIABLE TO BE ENCOUNTERED DURING ERECTION.
- 003 UNLESS NOTED OTHERWISE, STEEL GRADES SHALL BE AS FOLLOWS:

HOT ROLLED SECTIONS	GRADE 300
SHS/RHS SECTIONS	GRADE 350
CHS SECTIONS (SMALLER THAN 114 Dia)	GRADE 250
CHS SECTIONS (GREATER THAN OR EQUAL TO 114 Dia)	GRADE 350
MILD STEEL PLATE	GRADE 250
ROD	GRADE 250
- 004 ALL COLD FORMED SECTIONS SHALL BE ROLL-FORMED FROM ZINC COATED HIGH STRENGTH STEEL STRIP. MINIMUM YIELD STRESS 450 MPa, 350 g/cub m, MINIMUM COATING MASS UNO.
- 005 COPY OF SHOP DETAIL DRAWINGS TO BE SUBMITTED TO ENGINEER FOR REVIEW AND APPROVAL PRIOR TO FABRICATION OF ANY STEELWORK.
- 006 UNLESS NOTED OTHERWISE WHERE FIN PLATES ARE WELDED TO SHS/RHS, PROVIDE 6mm PLATE STIFFENER OF WIDTH 15mm LESS THAN FACE OF SHS/RHS, 4 cfw ALL ROUND.
- 007 UNLESS NOTED OTHERWISE ALL WELDING TO BE IN ACCORDANCE WITH AS1554:2004. ALL WELDS TO BE 6 cfw UNO.
- 008 ALL BUT WELDS SHALL BE SUBJECT TO 100% TESTING BY ULTRASONIC OR OTHER APPROVED METHODS AT THE CONTRACTORS EXPENSE.
- 009 BOLT TYPES AND DESIGNATIONS, WHERE USED SHALL BE AS FOLLOWS:

4.6/S	COMMERCIAL BOLTS TO AS1111-2000, SNUG TIGHTENED
8.8/S	HIGH STRENGTH STRUCTURAL BOLTS, NUTS AND HARDENED WASHERS TO AS1252-1998, SNUG TIGHTENED
8.8/TB	HIGH STRENGTH STRUCTURAL BOLTS AS ABOVE FULLY TENSIONED TO AS4100-1998 IN A BEARING TYPE JOINT
8.8/TF	HIGH STRENGTH STRUCTURAL BOLTS AS ABOVE FULLY TENSIONED TO AS4100-1998 IN A FRICTION TYPE JOINT UNO, WITH SURFACES LEFT UNCOATED.
- 010 ALL BOLTS AND BOLTED CONNECTIONS TO BE M16 8.8/S UNO.
- 011 M12 OR SMALLER BOLTS TO BE COMMERCIAL GRADE 4.6/S UNO
- 012 M16 OR LARGER BOLTS TO BE HIGH STRENGTH STRUCTURAL GRADE 8.8/S UNO
- 013 ALL HOLD DOWN BOLTS/RODS, 'HD', SHALL BE EITHER COMMERCIAL GRADE BOLTS OR MADE FROM BARS WITH A MINIMUM f_y OF 250 MPa UNO
- 014 UNLESS NOTED OTHERWISE, ALL EXTERNAL FASTENERS TO BE GALVANSIED TO AS1214.
- 015 SURFACE TREATMENT OR COATING TO STEELWORK AS FOLLOWS:

ELEMENT	SURFACE PREPARATION (AS1627.1-2003)	TREATMENT OR COATING
ALL INTERNAL CONCEALED ELEMENTS EXCEPT GALV. PURLINS	ABRASIVE BLAST, HAND CLEAN OR POWER WIRE BRUSH TO CLASS 1	ALKYD ZINC PHOSPHATE PRIMER
ALL INTERNAL VISABLE	AS PER ABOVE, CLASS 2	ALKYD ZINC PHOSPHATE PRIMER FILM THICKNESS OF 0.050mm PLUS 2 COATS OF GLOSS ENAMEL TO ARCHITECTS SPECIFICATIONS
ALL EXTERNAL	AS PER ABOVE, CLASS 2.5	GALVANISED

CONCRETE NOTES

- 001 ALL MATERIALS AND WORKMANSHIP TO BE IN ACCORDANCE WITH AS 3600. REFER ALSO TO AS2870 - RESIDENTIAL FOUNDATIONS AND SLAB ON GROUND.
- 002 CONCRETE PROPERTIES:

ELEMENT	CEMENT TYPE	MAX AGG SIZE	SLUMP	STRENGTH
FOOTINGS	GP	20	80	N25
SLAB	GP	20	80	N25
- 003 NO ADMIXTURES INCLUDING FLY ASH TO BE USED WITHOUT THE WRITTEN PERMISSION OF THE ENGINEER.
- 004 CLEAR CONCRETE COVER TO REINFORCEMENT INCLUDING STIRRUPS, LIGS AND TIES SHALL BE AS FOLLOWS:

ELEMENT	LOCATION	EXPOSURE	FIRE CLASSIFICATION	RATING	CLEAR COVER
SLAB	INTERNAL	A1		N/A	30 TOP
FOOTINGS	GROUND	A1		N/A	50 ALL ROUND
- 005 ALL FORMWORK AND FALSEWORK FOR THE CONCRETE SHALL BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH AS 3610. THE DETAILS ON THESE DRAWINGS ARE TO SUIT THE COMPLETE IN SERVICE DESIGN CONDITION OF THE STRUCTURE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFE CONSTRUCTION OF THE STRUCTURE, INCLUDING FORMWORK AND FALSEWORK. A PERSON COMPETENT IN THE DESIGN AND CONSTRUCTION OF THE FORMWORK AND FALSEWORK SHOULD BE CONSULTED.
- 006 REFER TO ARCHITECTURAL DRAWINGS FOR APPLIED FINISHES, DIMENSIONS SHOWN ARE OF THE CONCRETE ELEMENTS.
- 007 CONSTRUCTION JOINTS OR POUR BREAKS WHERE NOT SHOWN ON PLANS OR DETAILS SHALL BE LOCATED AND FORMED TO THE APPROVAL OF THE ENGINEER.
- 008 NO PENETRATIONS, CHASES OR EMBEDMENT OF CONDUITS, CABLES OR PIPES OTHER THAN THOSE SHOWN ON STRUCTURAL DRAWINGS SHALL BE MADE IN CONCRETE MEMBERS WITH THE APPROVAL OF THE CERTIFYING ENGINEER. CONDUITS IN SLAB TO BE PLACED ABOVE THE BOTTOM AND BELOW THE TOP REINFORCEMENT.
- 009 ENSURE MINIMUM CLEAR COVER BETWEEN CONDUITS, CABLES, PIPES AND REINFORCING BARS TO BE IN ACCORDANCE WITH AS3600. PLEASE CONSULT SUPERVISING ENGINEER IF IN DOUBT.
- 010 AT PENETRATIONS IN SLAB, UNLESS OTHERWISE SPECIFIED, REINFORCEMENT MUST NOT BE CUT, BUT SHALL BE GATHERED EQUALLY TO EACH SIDE OF THE PENETRATION AS DIRECTED BY THE ENGINEER.
- 011 PROVIDE THE ENGINEER WITH MINIMUM 24HR NOTICE OF INTENTIONS TO HAVE REINFORCING BEING READY FOR INSPECTION. NO CONCRETE TO BE POURED WITHOUT APPROVAL OF THE ENGINEER.
- 012 ALL CONCRETE TO BE CURED AND KEPT MOIST FOR A MINIMUM OF 7 DAYS BY AN APPROVED METHOD. IF PLASTIC SHRINKAGE IS OBSERVED DUE TO RAPID DRYING OR OTHER CONDITIONS, APPLY A SINGLE COAT OF AN APPROVED EVAPORATION RETARDANT OR APPROVED EQUIVALENT, IMMEDIATELY AFTER SCREENING. BUILDER TO ENSURE ADEQUATE AMOUNT IS STORED ON SITE DURING ALL POURS.
- 013 NO CONCRETE SHALL BE POURED WHEN THE SITE TEMPERATURE EXCEEDS 35 DEGREES C OR FALLS BELOW 5 DEGREES C.
- 014 IT IS RECOMMENDED THAT THE SLAB SHOULD CURE FOR A MINIMUM OF 3 MONTHS BEFORE THE APPLICATION OF BRITTLE FLOOR COVERINGS.

CONCRETE REINFORCEMENT NOTES

- 001 ALL MATERIALS AND WORKMANSHIP TO BE IN ACCORDANCE WITH AS1302, AS1303, AS1304, AS3600 AND AS467 AS CURRENT AT THE TIME OF THE DATE SHOWN ON THESE DRAWINGS.
- 002 ALL CONCRETE REINFORCING BARS TO BE LAPPED TYPICALLY AS FOLLOWS:

N12	600	N20	1000
N16	800	N24	1200
- 003 STAGGER LAPPED BARS TYPICALLY THROUGH SLAB.
- 004 PROVIDE ADDITIONAL BARS AT RE-ENTRANT CORNERS AND AROUND SLAB PENETRATIONS AS NOTED ON THE SLAB LAYOUT PLAN AND DETAILS.
- 005 REINFORCEMENT DUCTILITY CLASS DESIGNATION AS FOLLOWS:

N	500MPa, DUCTILITY CLASS N, HOT-ROLLED DEFORMED BAR
R	250MPa, DUCTILITY CLASS N, HOT-ROLLED DEFORMED BAR
S	250MPa, DUCTILITY CLASS N, HOT-ROLLED DEFORMED BAR

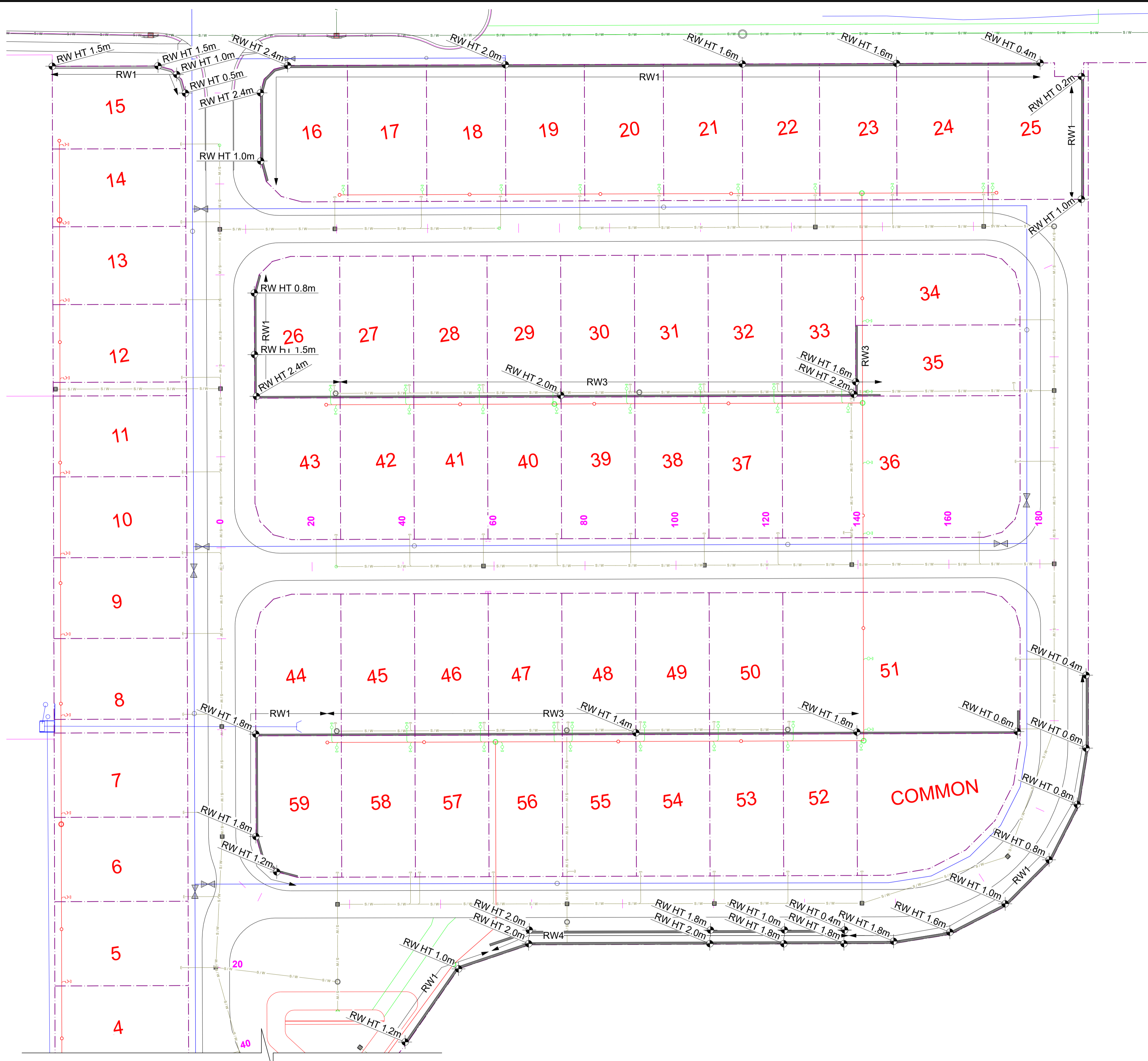
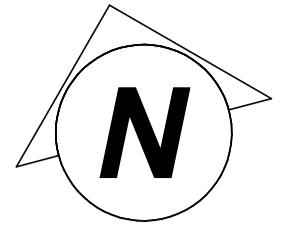
PRECAST PANEL NOTES

- 001 PANEL REINFORCEMENT:

THICKNESS (mm)	REINFORCEMENT
REFER TO SECTION	REFER TO SECTION
- 002 MAXIMUM ARCHITECTURAL REBATE IS 15mm. REFER ARCHITECT FOR LOCATIONS PLACE VERTICAL WIRES CENTRAL IN PANEL. REFER TYPICAL PANEL REINFORCEMENT DETAIL.
- 003 REINFORCEMENT SHOWN ON ELEVATIONS IS IN ADDITION TO THE TYPICAL REINFORCEMENT DESCRIBED IN NOTE ABOVE. ADDITIONAL REINFORCEMENT SHOWN GENERALLY TO BE PLACED AGAINST MESH ON INSIDE OF BUILDING SIDE UNO.
- 004 THE REINFORCEMENT AND PANEL FIXINGS SHOWN ARE FOR THE IN-SERVICE CONDITION ONLY. THE BUILDER SHALL BE RESPONSIBLE FOR PROVIDING ANY ADDITIONAL REINFORCEMENT AND FITTINGS REQUIRED FOR FABRICATION, LIFTING, HANDLING AND TRANSPORT.
- 005 ALL PANELS ARE TO REMAIN FULLY PROPPED UNTIL ALL STEELWORK HAS BEEN ERECTED. THE BUILDER SHALL BE RESPONSIBLE FOR ERECTING AND MAINTAINING THE PANELS UNTIL THE FINAL DESIGN SUPPORT CONDITION IS ACHIEVED.
- 006 FF - INDICATES CONNECTION ON FAR FACE OF PANEL.
NF - INDICATES CONNECTION ON NEAR FACE OF PANEL.
BF - INDICATES CONNECTION ON BOTH FACES OF PANEL.
EF - INDICATES REINFORCEMENT ON BOTH FACES OF PANEL.
- 007 PANEL ELEVATION VIEWED FROM INSIDE OF BUILDING PANEL.

DO NOT SCALE OF PLANS. CONFIRM ALL DIMENSIONS ON SITE

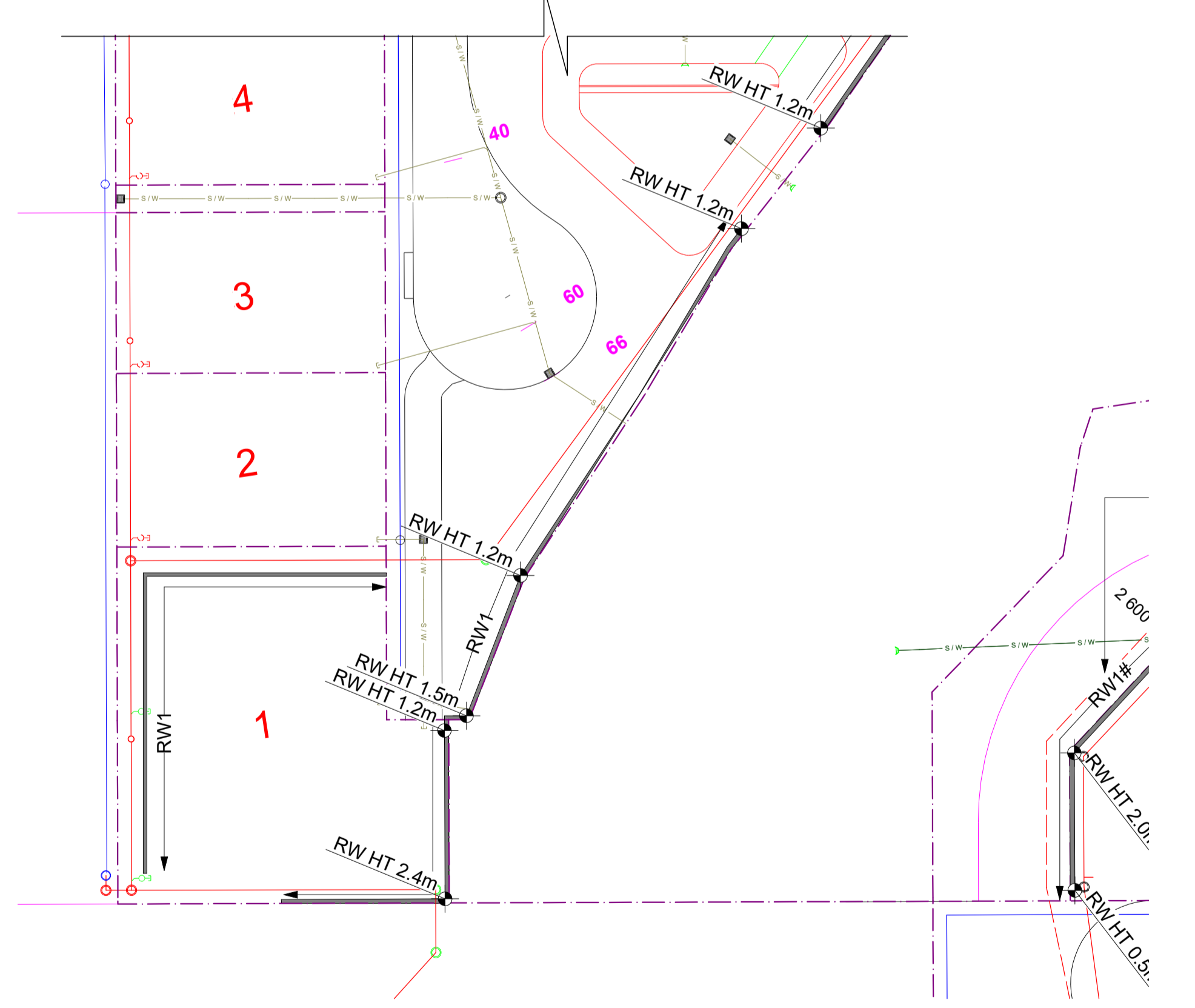
<p>SHEET TITLE</p> <p>TITLE SHEET, LOCALITY PLAN AND GENERAL NOTES</p>	<p>ABN: 95 672 248 098 PO Box 625, TOOWOOMBA QLD 4350 email: sticksstones@optusnet.com.au m: 0402 290 207</p> <p>CERTIFIED BY </p> <p>PETER R WILKES - P R Wilkes & Associates B TECH (ENG) AQMT (ENG) MIE (AUST) REG No 1027</p>	<p>PROPOSED: RESIDENTIAL SUBDIVISION</p> <p>FOR: TUNNEY INVESTMENTS</p> <p>AT: 574-608 SOUTH ST TOOWOOMBA QLD 4350</p> <p>RPD: L5/ SP194434</p>	<p>TOOWOOMBA REGIONAL COUNCIL</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="4">Revision Table</th> </tr> <tr> <th>ISSUE</th> <th>DESCRIPTION</th> <th>BY</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>For Construction</td> <td>ARW</td> <td>03.03.23</td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table> <p>DO NOT SCALE OF PLANS. CONFIRM ALL DIMENSIONS ON SITE. THIS DRAWING AND THE DESIGN THEREON ARE SUBJECT TO COPYRIGHT AND SHALL NOT BE USED COPIED WITHOUT THE WRITTEN PERMISSION OF STICKS STONES URBAN DESIGN</p> <p>PROJECT No. / SHEET No. 19002 - G01</p> <p>ISSUE A</p>	Revision Table				ISSUE	DESCRIPTION	BY	DATE	A	For Construction	ARW	03.03.23												
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LEGEND

- RW1 REFERS TO PROPOSED RETAINING WALL TYPE, REFER TO DETAIL
- ◁ RW HT 1.2m REFERS TO RETAINING WALL HEIGHT AT LOCATION, HEIGHTS SH ON RETAINED SIDE OF RETAINING WALL.

FOR CONTINUATION REFER ACROSS PAGE



RETAINING WALL SITE LAYOUT PLAN

SCALE 1:100
 REFER ALSO TO CIVIL DESIGN DRAWINGS PREPARED BY AM CIVIL
 NOTE - UNLESS NOTED OTHERWISE ALL RETAINING WALLS HAVE BEEN DESIGNED WITH A 5 kPa SURCHARGE.

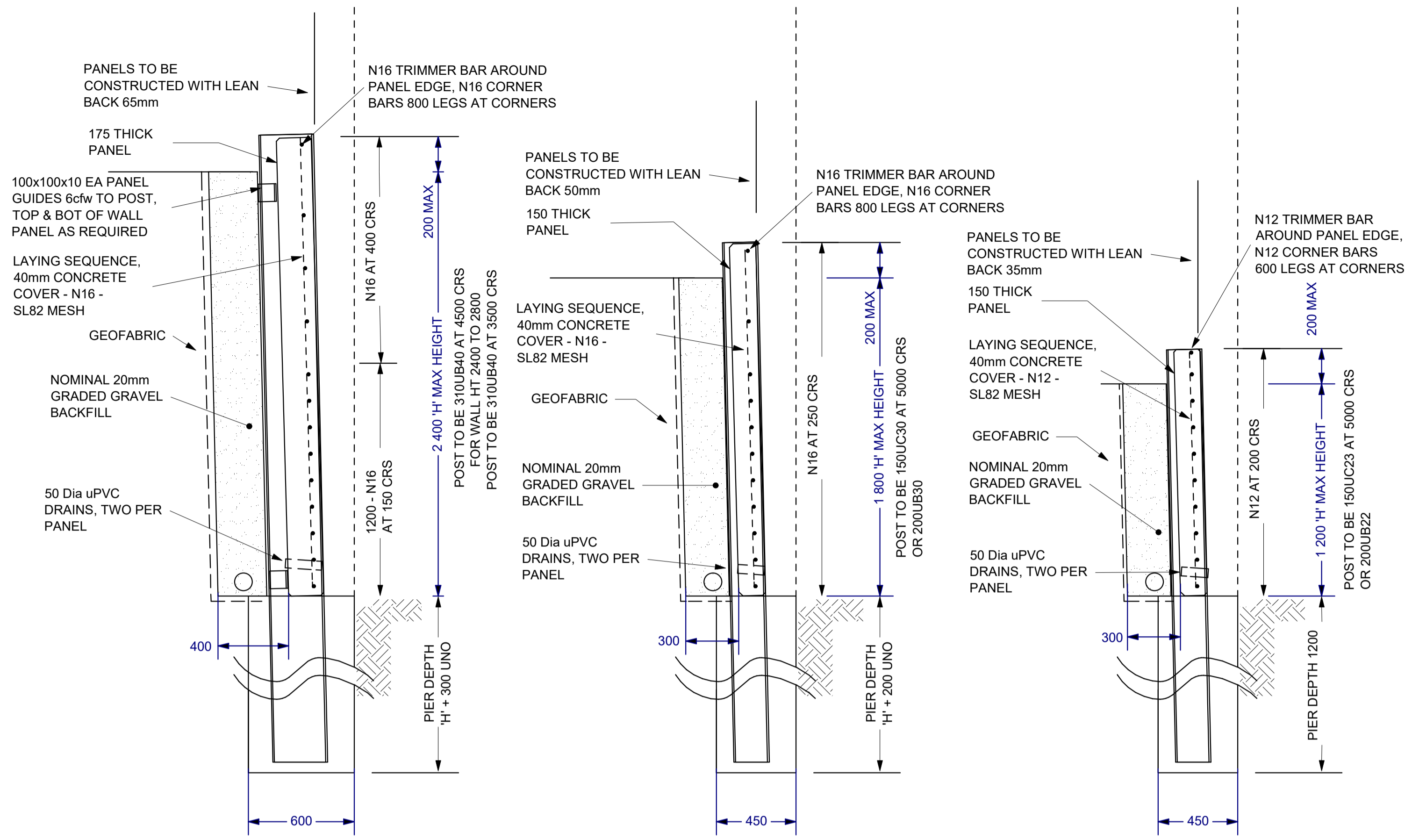
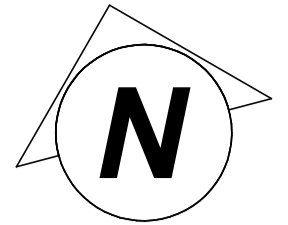
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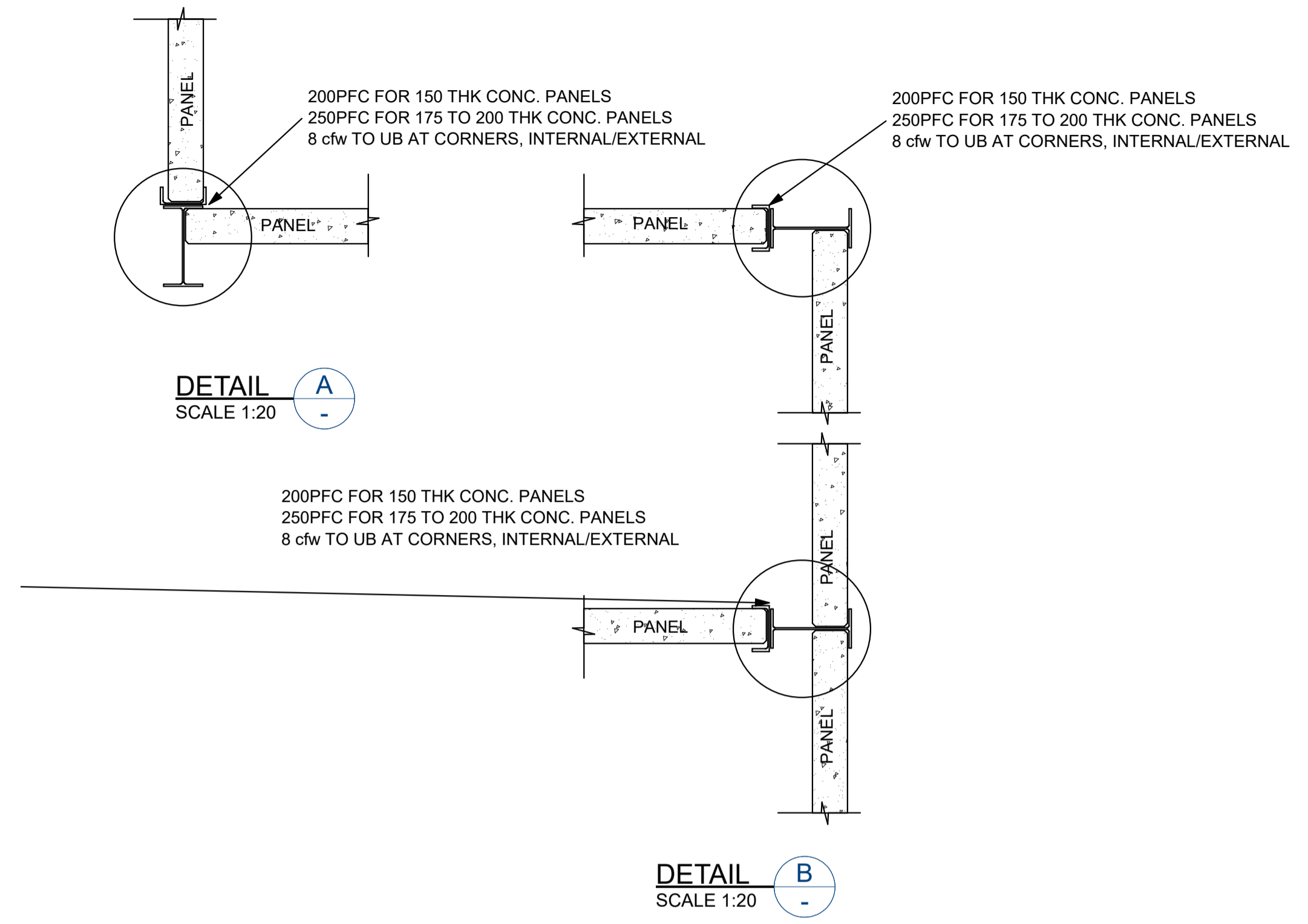
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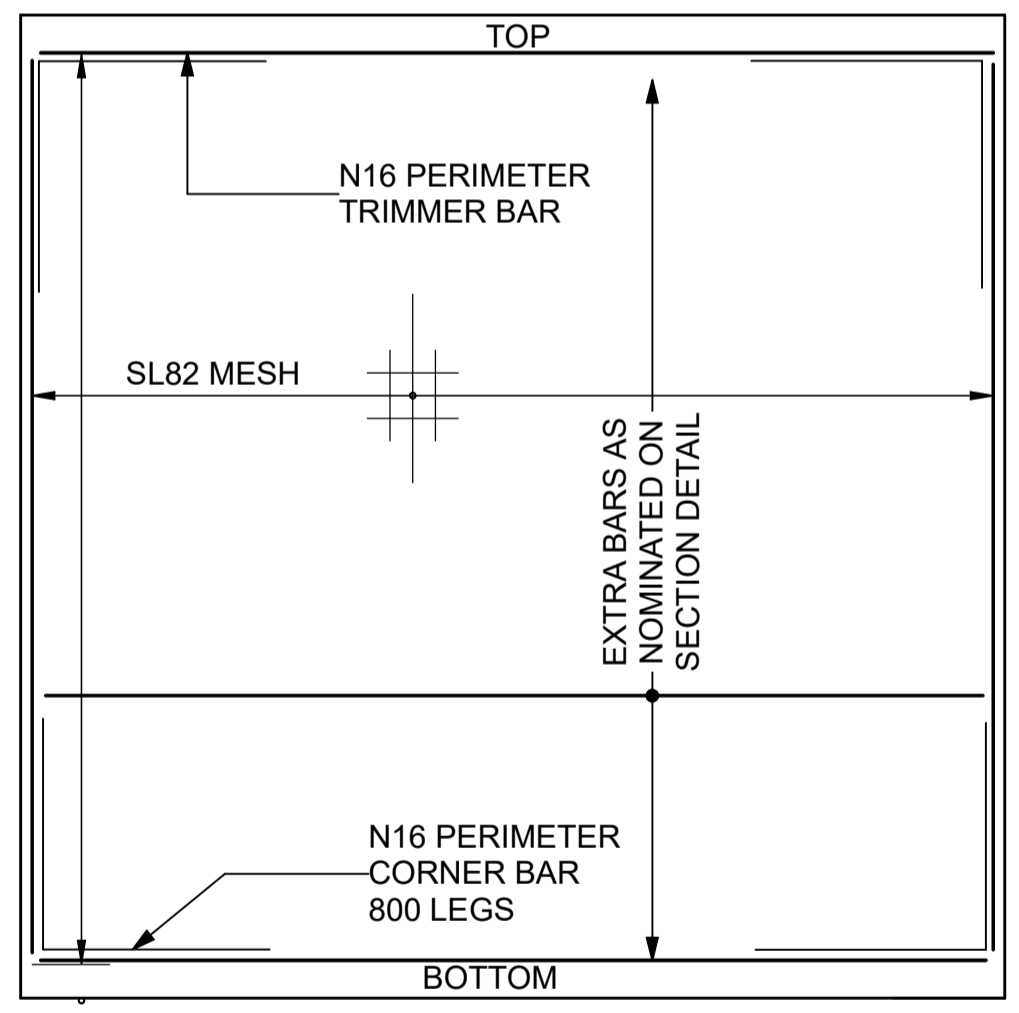
<p>SHEET TITLE RETAINING WALL SITE LAYOUT PLAN</p>		<p>ABN: 95 672 248 098 PO Box 625, TOOWOOMBA QLD 4350 email: stickstones@optusnet.com.au m: 0402 290 207</p> <p>CERTIFIED BY PETER R WILKES - P R Wilkes & Associates B TECH (ENG) AQDT (ENG) MIE (AUST) REG No 1027</p>	<p>PROPOSED: RESIDENTIAL SUBDIVISION</p>	<p>Revision Table</p> <table border="1"> <thead> <tr> <th>ISSUE</th> <th>DESCRIPTION</th> <th>BY</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>For Construction</td> <td>ARW</td> <td>03.03.23</td> </tr> <tr> <td>B</td> <td>For Construction</td> <td>ARW</td> <td>01.10.24</td> </tr> <tr> <td>C</td> <td>As Constructed</td> <td>ARW</td> <td>27.08.25</td> </tr> </tbody> </table>		ISSUE	DESCRIPTION	BY	DATE	A	For Construction	ARW	03.03.23	B	For Construction	ARW	01.10.24	C	As Constructed	ARW	27.08.25	<p>DO NOT SCALE OF PLANS. CONFIRM ALL DIMENSIONS ON SITE. THIS DRAWING AND THE DESIGN THEREON ARE SUBJECT TO COPYRIGHT AND SHALL NOT BE USED COPIED WITHOUT THE WRITTEN PERMISSION OF STICKS STONES URBAN DESIGN</p> <p>PROJECT No. / SHEET No. 19002 - S01</p>
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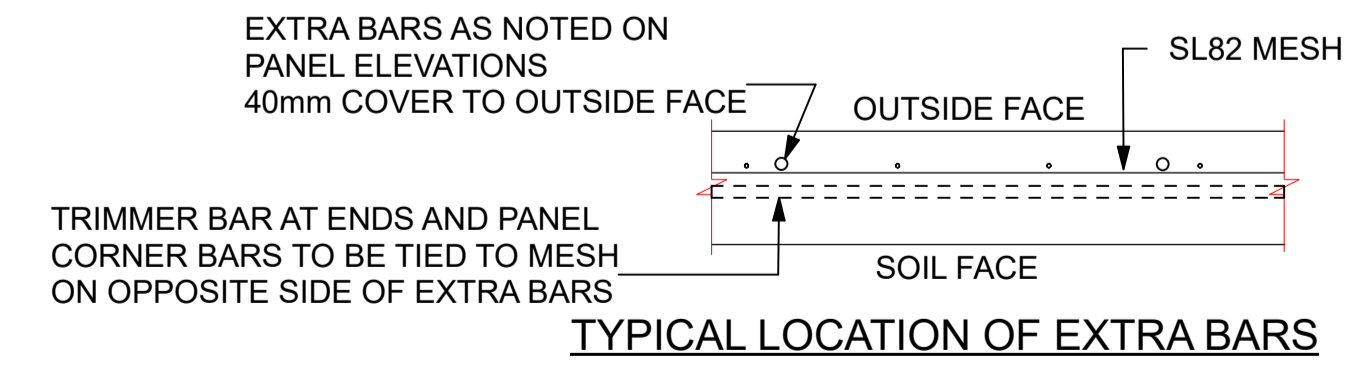
RW1 - TYPICAL PRECAST WALL PANEL RETAINING WALL DETAILS FOR STANDARD HEIGHTS
 SCALE 1:20
 NOTE:- BACK SLOPE TO BE LEVEL OR MAX 1:4 SLOPE
 SURCHARGE LOADING - 5 kPa



TYPICAL PRECAST WALL PANEL RETAINING WALL JUNCTION DETAILS
 SCALE 1:20



TYPICAL PRECAST PANEL ELEVATION
 REFER TO RETAINING WALL SECTION FOR MAX PANEL HEIGHTS, THICKNESS AND ADDITIONAL REINFORCEMENT



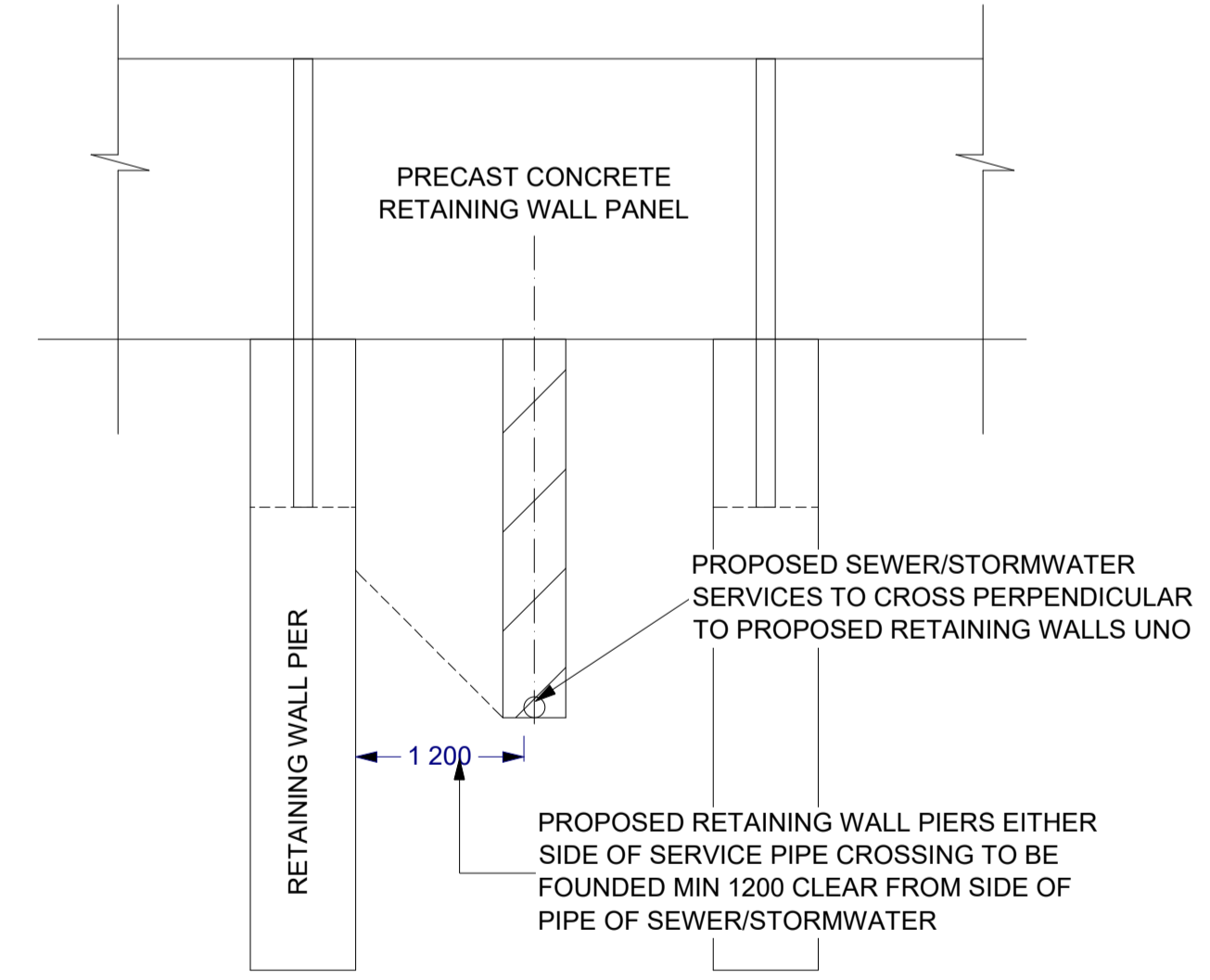
TYPICAL LOCATION OF EXTRA BARS

PRECAST WALL PANEL RETAINING WALL

- SCALE 1:20
1. REFER TO RETAINING WALL SITE PLAN FOR LOCATION/CALL UP
 2. PIER DEPTHS TO BE CONFIRMED FOLLOWING INSPECTION OF PIERS BY CERTIFYING ENGINEER
 3. REFER TO STRUCTURAL STEEL NOTES FOR POST FINISH
 4. PIERS TO BE FOUNDED IN FIRM NATURAL SOIL. PIER DEPTH TO BE INCREASED FOR PIERS FOUNDED IN FILL BY THE AMOUNT OF FILL OBSERVED AT TOP.
 5. CERTIFYING ENGINEER TO BE NOTIFIED SHOULD PIERS BE FOUNDED IN FILL GREATER THAN 600mm
 6. NO SERVICES OR TRENCHES LOCATED WITHIN 2m OF BASE OF RETAINING WALL.

NOTES -
 FINISHED GROUND SURFACE AT TOP OF WALL TO FALL AWAY TO SITE STORM WATER DRAINAGE SYSTEM, REFER TO CIVIL DETAIL DRAWINGS

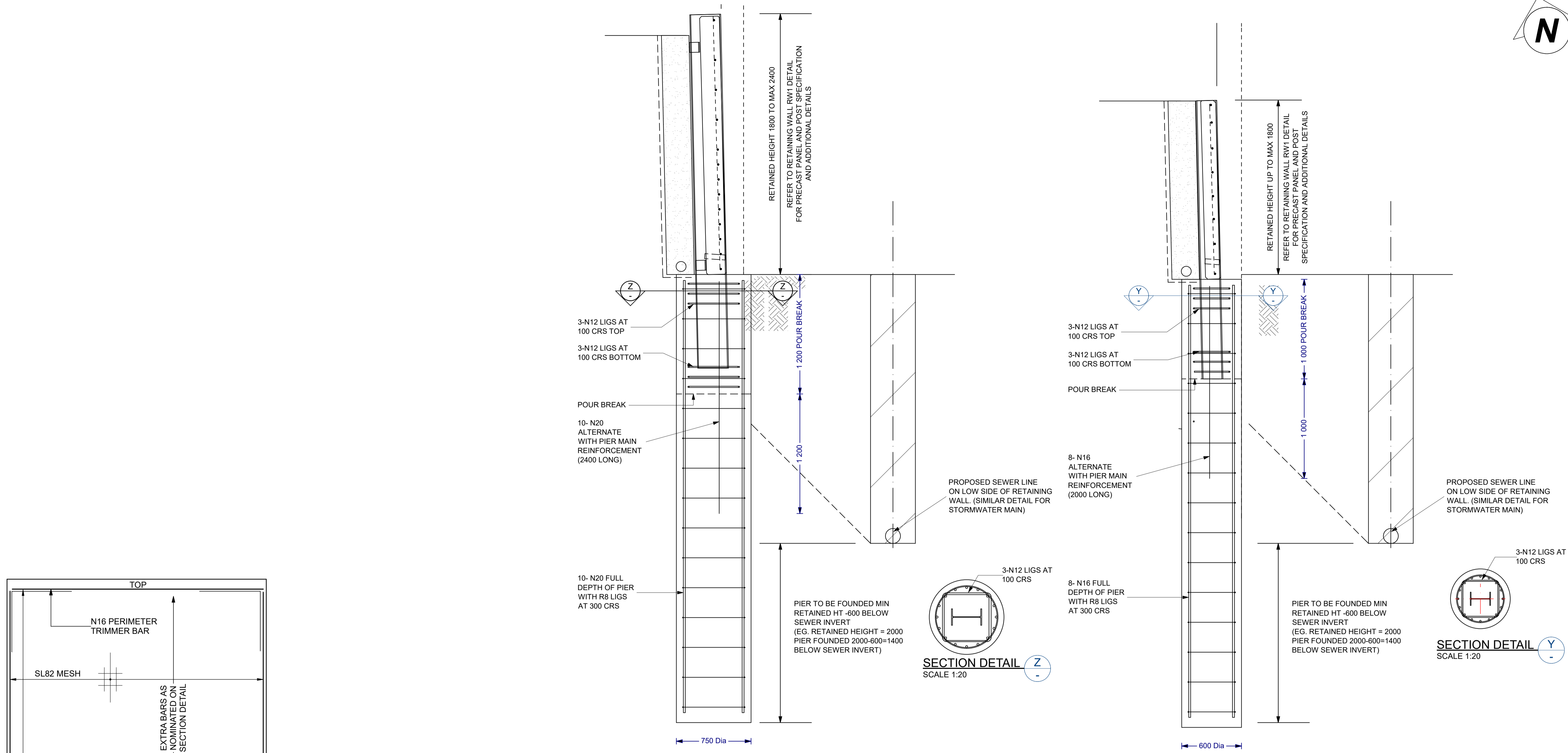
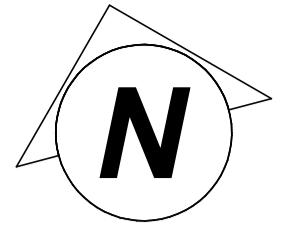
REINFORCING COVER NOTED TO FINISHED (EXPOSED) FACE OF PANEL. LONGITUDINAL WIRES OF MESH TO BE LAID SUCH THAT THEY ARE TO THE FINISHED SURFACE, VERTICAL WIRES OF MESH TO BED FACE (SOIL SIDE) OF WALL PANEL.



TYPICAL SEWER/STORMWATER SERVICE CROSSING PROPOSED PRECAST WALL PANEL RETAINING WALL DETAIL
 SCALE 1:20
 REFER ALSO TO TYPICAL PRECAST WALL PANEL RW1 DETAILS

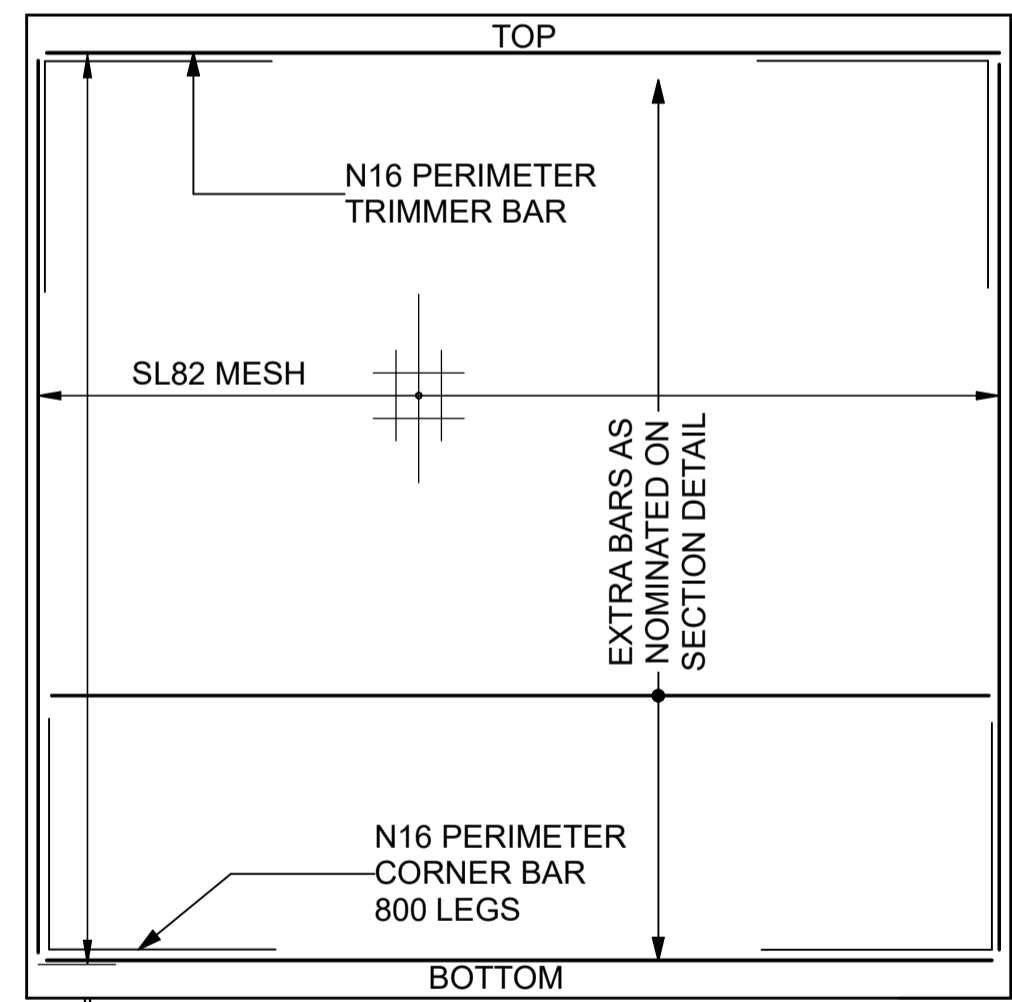
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SHEET TITLE PRECAST PANEL RETAINING WALL RW1 DETAILS		ABN: 95 672 248 098 PO Box 625, TOOWOOMBA QLD 4350 email: sticksstones@optusnet.com.au m: 0402 290 207 CERTIFIED BY PETER R WILKES - P R Wilkes & Associates B TECH (ENG) AQIT (ENG) MIE (AUST) REG No 1027	PROPOSED: RESIDENTIAL SUBDIVISION FOR: TUNNEY INVESTMENTS AT: 574-608 SOUTH ST TOOWOOMBA QLD 4350 RP: L5/ SP194434	TOOWOOMBA REGIONAL COUNCIL	<table border="1"> <thead> <tr> <th colspan="4">Revision Table</th> </tr> <tr> <th>ISSUE</th> <th>DESCRIPTION</th> <th>BY</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>For Construction</td> <td>ARW</td> <td>03.03.23</td> </tr> <tr> <td>B</td> <td>For Construction</td> <td>ARW</td> <td>01.10.24</td> </tr> </tbody> </table>	Revision Table				ISSUE	DESCRIPTION	BY	DATE	A	For Construction	ARW	03.03.23	B	For Construction	ARW	01.10.24	DO NOT SCALE OF PLANS. CONFIRM ALL DIMENSIONS ON SITE. THIS DRAWING AND THE DESIGN THEREON ARE SUBJECT TO COPYRIGHT AND SHALL NOT BE USED COPIED WITHOUT THE WRITTEN PERMISSION OF STICKS STONES URBAN DESIGN PROJECT No. / SHEET No. 19002 - S02	DRAWN: ARW DESIGN: ARW PAPER SIZE: A1 APPROVED: PRW	B
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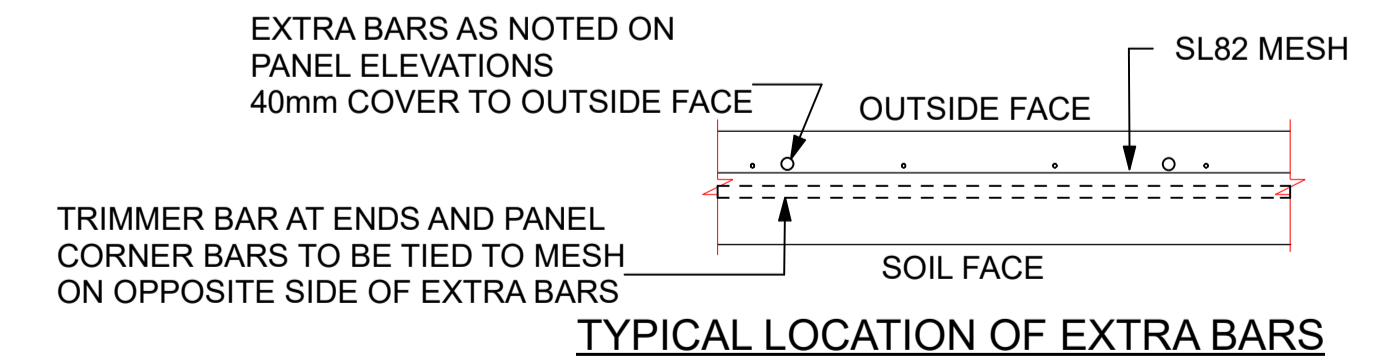


RW3 - PRECAST WALL PANEL RETAINING WALL DETAILS FOR SERVICE ON LOW SIDE

SCALE 1:20
REFER ALSO TO TYPICAL PRECAST WALL PANEL RW1 DETAILS
NOTE:- BACK SLOPE TO BE LEVEL NO SLOPE



TYPICAL PRECAST PANEL ELEVATION
REFER TO RETAINING WALL SECTION FOR MAX PANEL HEIGHTS, THICKNESS AND ADDITIONAL REINFORCEMENT



TYPICAL LOCATION OF EXTRA BARS

PRECAST WALL PANEL RETAINING WALL

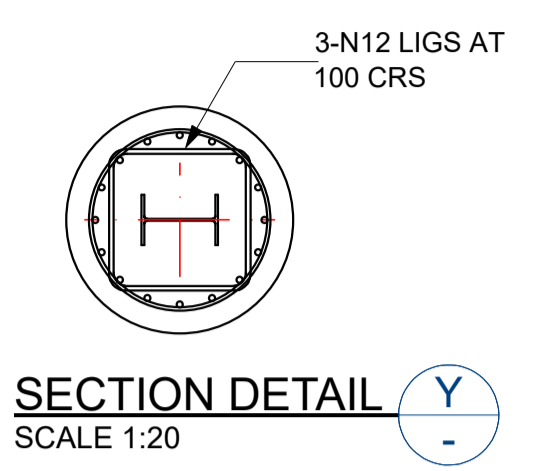
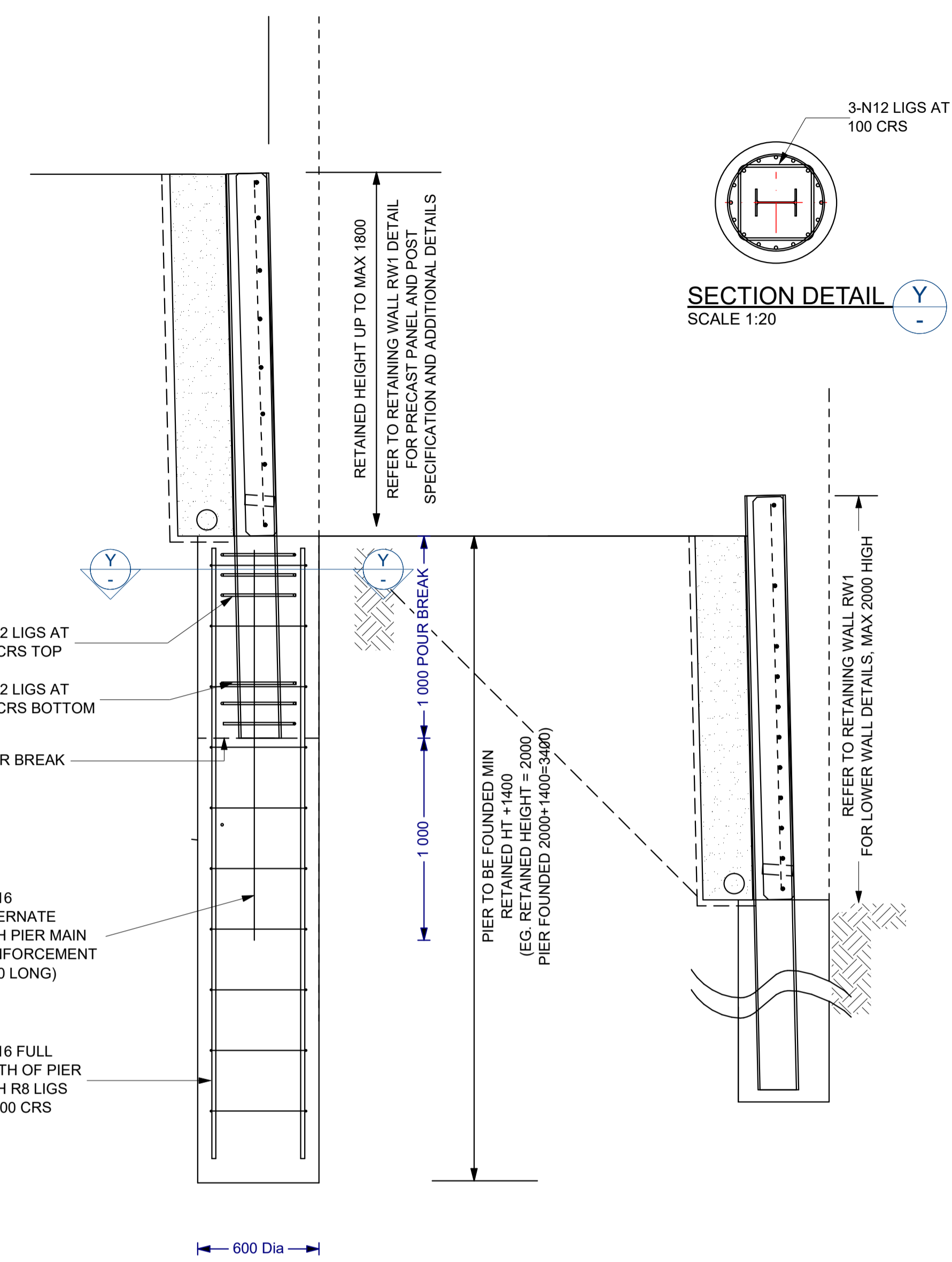
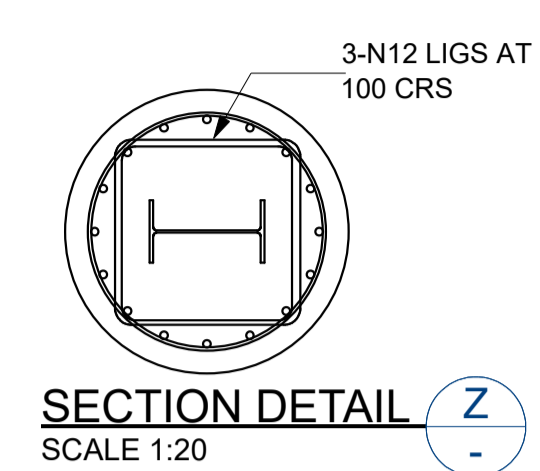
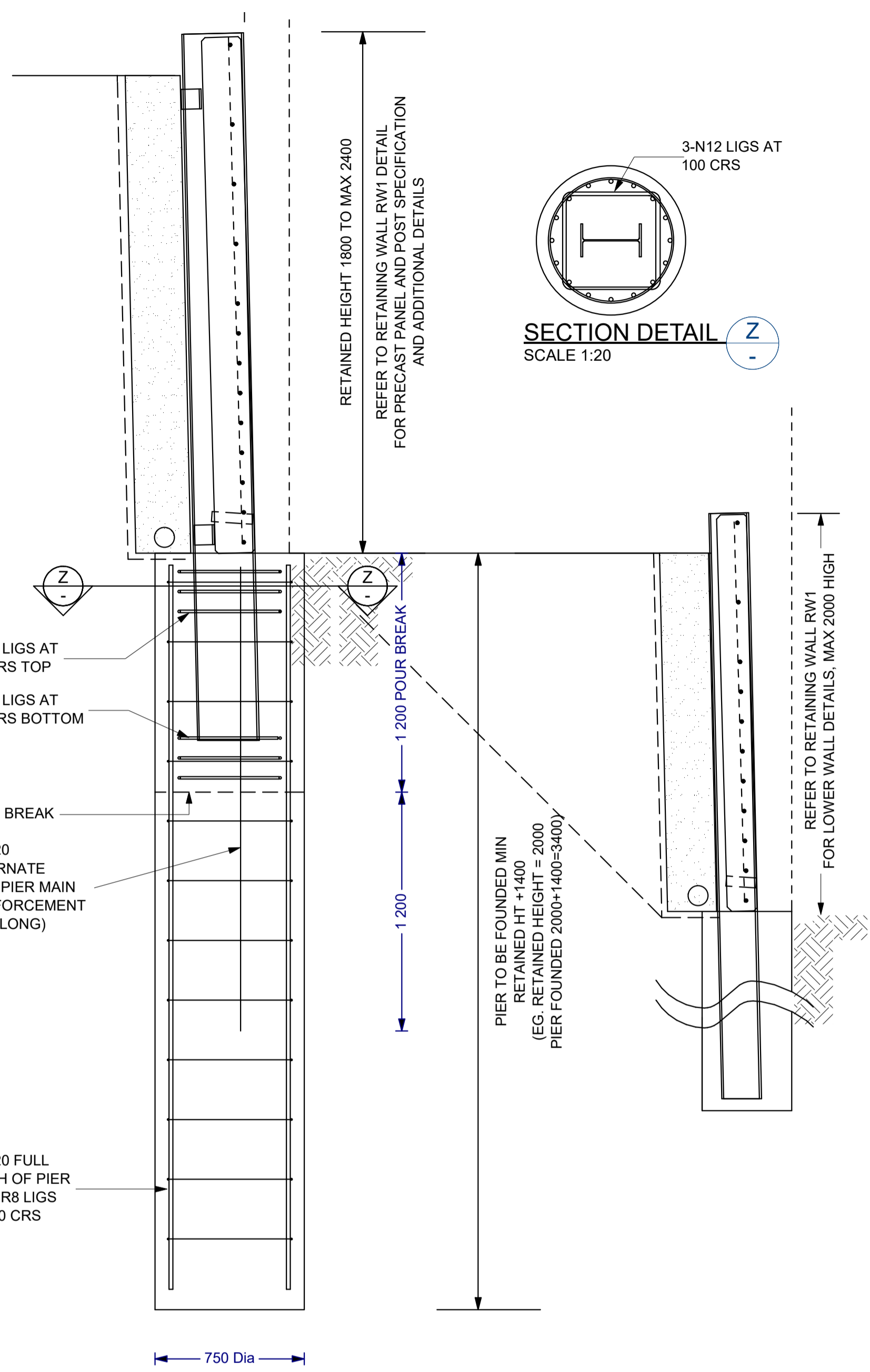
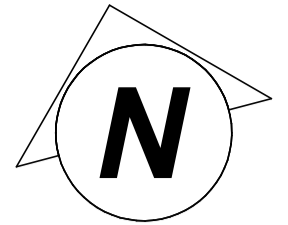
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 2. PIER DEPTHS TO BE CONFIRMED FOLLOWING INSPECTION OF PIERS BY CERTIFYING ENGINEER
 3. REFER TO STRUCTURAL STEEL NOTES FOR POST FINISH
 4. PIERS TO BE FOUNDED IN FIRM NATURAL SOIL. PIER DEPTH TO BE INCREASED FOR PIERS FOUNDED IN FILL BY THE AMOUNT OF FILL OBSERVED AT TOP.
 5. CERTIFYING ENGINEER TO BE NOTIFIED SHOULD PIERS BE FOUNDED IN FILL GREATER THAN 600mm
 6. NO SERVICES OR TRENCHES LOCATED WITHIN 2m OF BASE OF RETAINING WALL.

NOTES -
FINISHED GROUND SURFACE AT TOP OF WALL TO FALL AWAY TO SITE STORM WATER DRAINAGE SYSTEM, REFER TO CIVIL DETAIL DRAWINGS

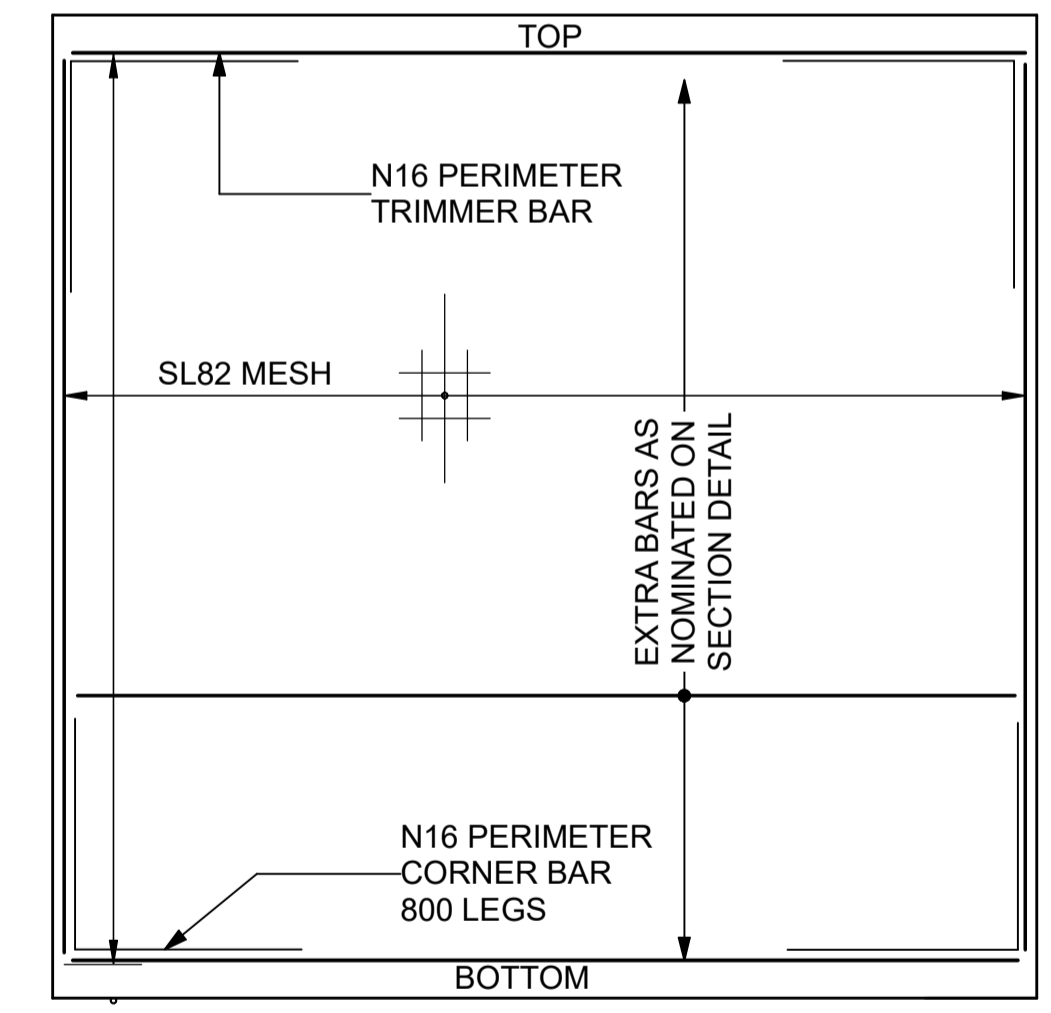
REINFORCING COVER NOTED TO FINISHED (EXPOSED) FACE OF PANEL. LONGITUDIAL WIRES OF MESH TO BE LAID SUCH THAT THEY ARE TO THE FINISHED SURFACE, VERTICAL WIRES OF MESH TO BED FACE (SOIL SIDE) OF WALL PANEL.

DO NOT SCALE OF PLANS. CONFIRM ALL DIMENSIONS ON SITE

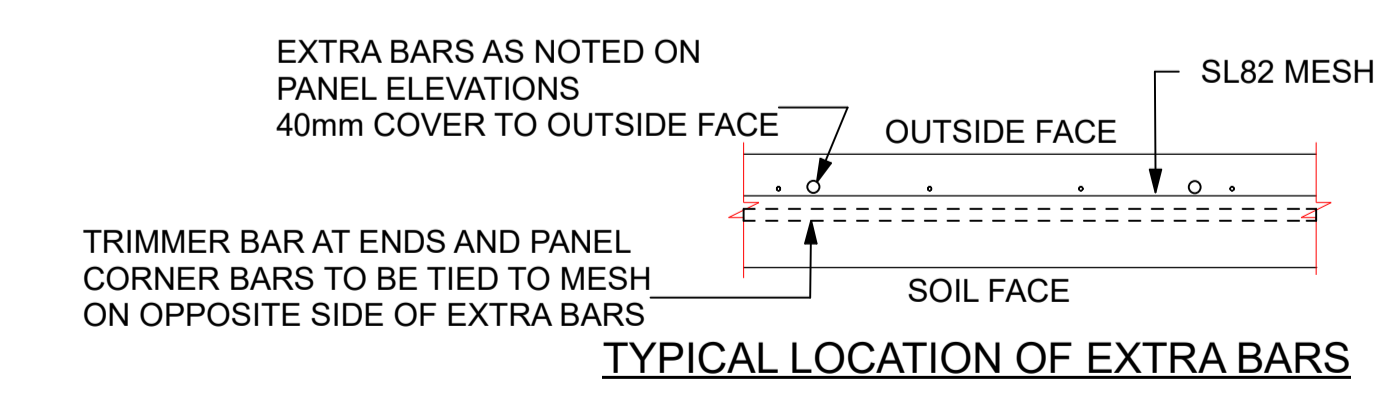
SHEET TITLE PRECAST PANEL RETAINING WALL RW3 DETAILS		 ABN: 95 672 248 098 PO Box 625, TOOWOOMBA QLD 4350 email: sticksstones@optusnet.com.au m: 0402 290 207 CERTIFIED BY PETER R WILKES - P R Wilkes & Associates B TECH (ENG) AQDT (ENG) MIE (AUST) REG No 1027	PROPOSED: RESIDENTIAL SUBDIVISION FOR: TUNNEY INVESTMENTS AT: 574-608 SOUTH ST TOOWOOMBA QLD 4350 RPD: L5/ SP194434	TOOWOOMBA REGIONAL COUNCIL	<table border="1"> <thead> <tr> <th colspan="4">Revision Table</th> </tr> <tr> <th>ISSUE</th> <th>DESCRIPTION</th> <th>BY</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>For Construction</td> <td>ARW</td> <td>03.03.23</td> </tr> </tbody> </table>	Revision Table				ISSUE	DESCRIPTION	BY	DATE	A	For Construction	ARW	03.03.23	DO NOT SCALE OF PLANS. CONFIRM ALL DIMENSIONS ON SITE. THIS DRAWING AND THE DESIGN THEREON ARE SUBJECT TO COPYRIGHT AND SHALL NOT BE USED COPIED WITHOUT THE WRITTEN PERMISSION OF STICKS STONES URBAN DESIGN PROJECT No. / SHEET No. 19002 - S03	ISSUED A
Revision Table																			
ISSUE	DESCRIPTION	BY	DATE																
A	For Construction	ARW	03.03.23																
			DRAWN: ARW DESIGN: ARW	PAPER SIZE: A1 APPROVED: PRW															



RW4 - TERRACED PRECAST WALL PANEL RETAINING WALL DETAILS
SCALE 1:20
REFER ALSO TO TYPICAL PRECAST WALL PANEL RW1 DETAILS



TYPICAL PRECAST PANEL ELEVATION
REFER TO RETAINING WALL SECTION FOR MAX PANEL HEIGHTS, THICKNESS AND ADDITIONAL REINFORCEMENT



TYPICAL LOCATION OF EXTRA BARS

PRECAST WALL PANEL RETAINING WALL

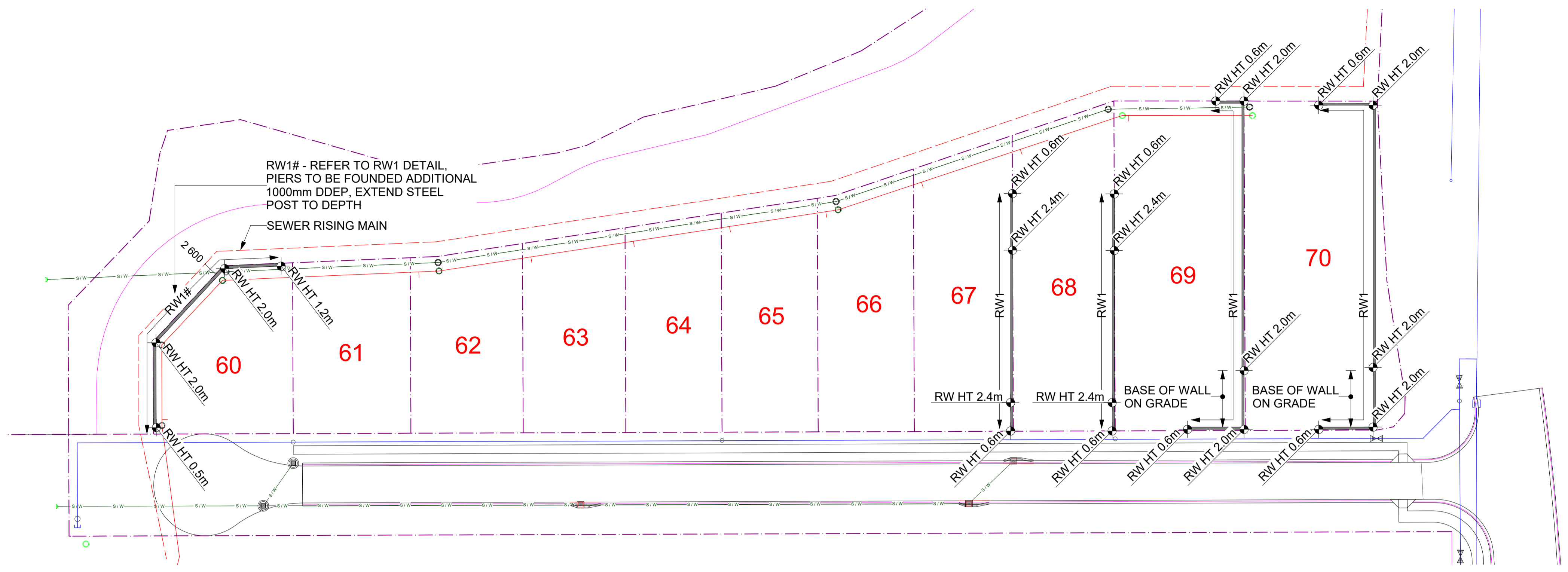
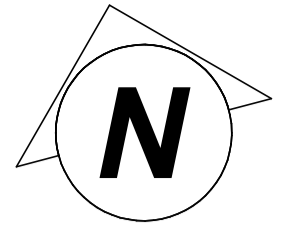
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DO NOT SCALE OF PLANS. CONFIRM ALL DIMENSIONS ON SITE

SHEET TITLE PRECAST PANEL RETAINING WALL RW4 DETAILS	ABN: 95 672 248 098 PO Box 625, TOOWOOMBA QLD 4350 email: stickstones@optusnet.com.au m: 0402 290 207 CERTIFIED BY PETER R WILKES - P R Wilkes & Associates B TECH (ENG) AQIT (ENG) MIE (AUST) REG No 1027	PROPOSED: RESIDENTIAL SUBDIVISION	Revision Table <table border="1"> <thead> <tr> <th>ISSUE</th> <th>DESCRIPTION</th> <th>BY</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>For Construction</td> <td>ARW</td> <td>03.03.23</td> </tr> </tbody> </table>	ISSUE	DESCRIPTION	BY	DATE	A	For Construction	ARW	03.03.23	DO NOT SCALE OF PLANS. CONFIRM ALL DIMENSIONS ON SITE. THIS DRAWING AND THE DESIGN THEREON ARE SUBJECT TO COPYRIGHT AND SHALL NOT BE USED COPIED WITHOUT THE WRITTEN PERMISSION OF STICKS STONES URBAN DESIGN PROJECT No. / SHEET No. 19002 - S04
		ISSUE	DESCRIPTION	BY	DATE							
A	For Construction	ARW	03.03.23									
FOR: TUNNEY INVESTMENTS AT: 574-608 SOUTH ST TOOWOOMBA QLD 4350 RPD: L5/ SP194434	TOOWOOMBA REGIONAL COUNCIL	DRAWN: ARW DESIGN: ARW PAPER SIZE: A1 APPROVED: PRW	ISSUE A									



EXTERNAL LOTS 60 TO 70 RETAINING WALL SITE LAYOUT PLAN

SCALE 1:100
 REFER ALSO TO CIVIL DESIGN DRAWINGS PREPARED BY AM CIVIL
 NOTE - UNLESS NOTED OTHERWISE ALL RETAINING WALLS HAVE BEEN DESIGNED WITH A 5 kPa SURCHARGE.

DO NOT SCALE OF PLANS. CONFIRM ALL DIMENSIONS ON SITE

SHEET TITLE
 EXTERNAL LOTS 65 TO 75 RETAINING WALL
 SITE LAYOUT PLAN


 ABN: 95 672 248 098
 PO Box 625, TOOWOOMBA QLD 4350
 email: sticksstones@optusnet.com.au
 m: 0402 290 207
CERTIFIED BY
 PETER R WILKES - P R Wilkes & Associates
 B TECH (ENG) AQDT (ENG) MIE (AUST) REG No 1027

PROPOSED: RESIDENTIAL SUBDIVISION
 FOR: TUNNEY INVESTMENTS
 AT: 574-608 SOUTH ST TOOWOOMBA QLD 4350
 RPD: L5/ SP194434

TOOWOOMBA REGIONAL COUNCIL

Revision Table			
ISSUE	DESCRIPTION	BY	DATE
A	For Construction	ARW	01.10.24
B	As Constructed	ARW	27.08.25

DRAWN:	ARW	PAPER SIZE:	A1
DESIGN:	ARW	APPROVED:	PRW

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PROJECT No. / SHEET No.
19002 - S05

ISSUE
B