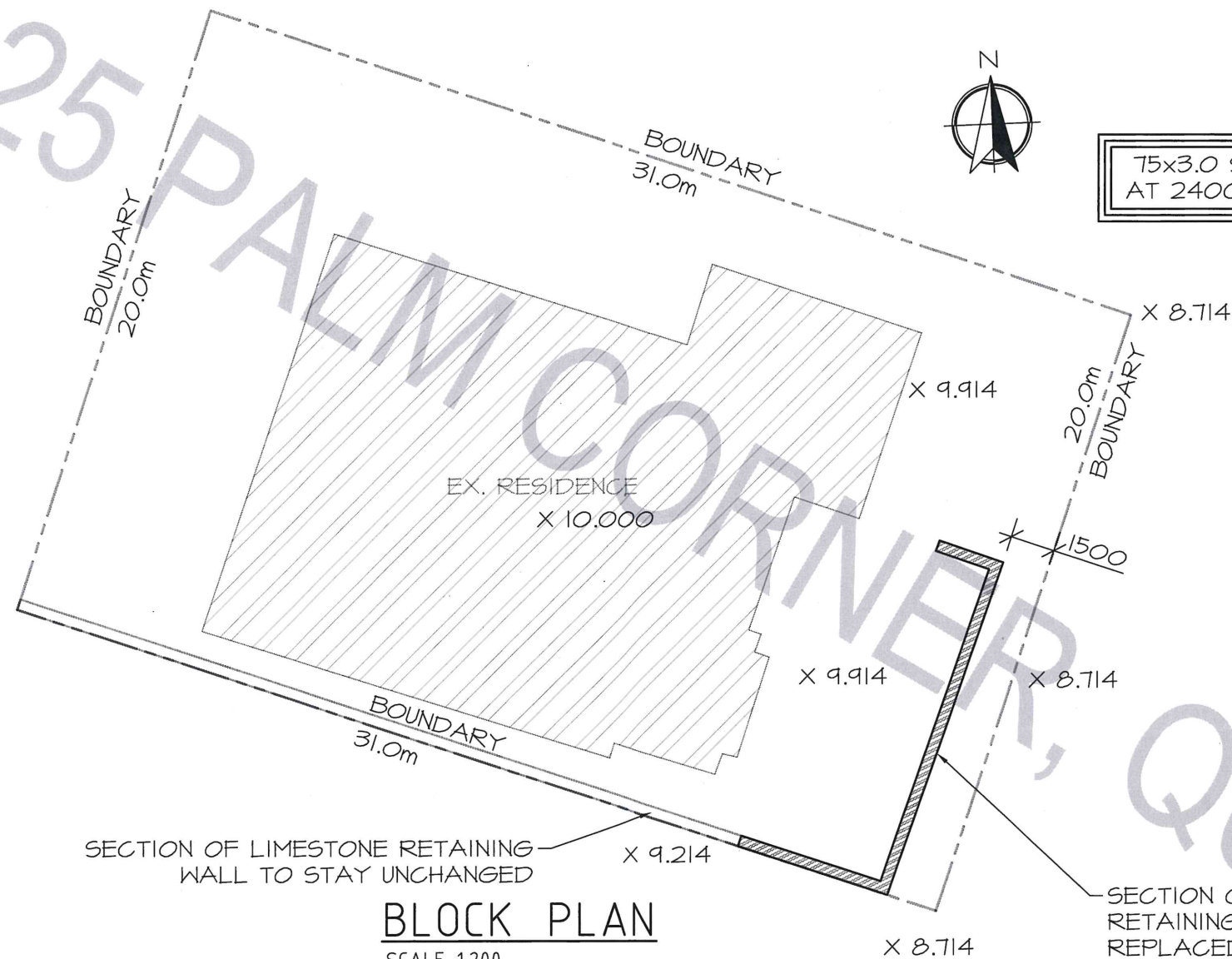
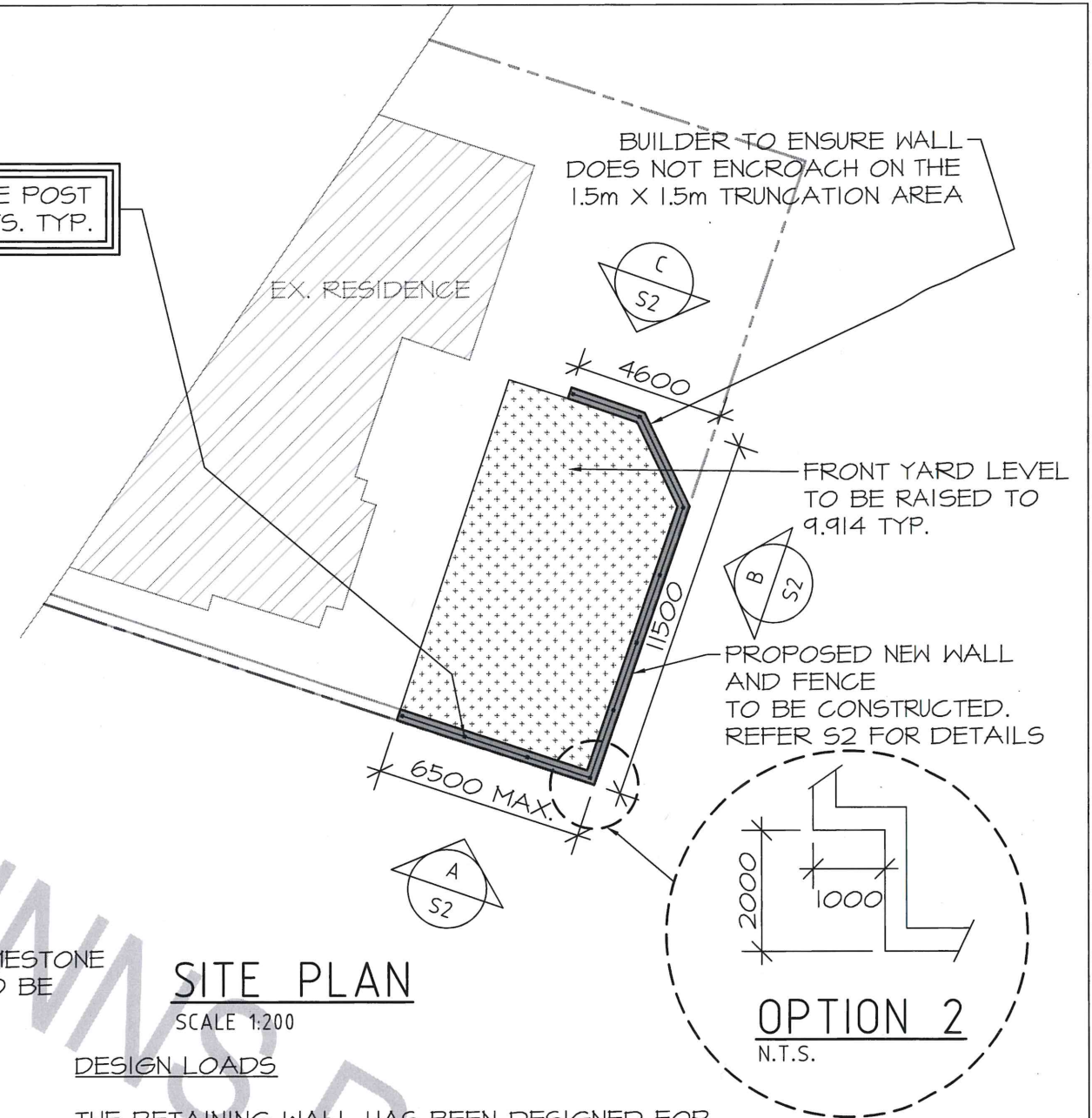


25 PALM CORNER



BLOCK PLAN
SCALE 1:200



SITE PLAN
SCALE 1:200

OPTION 2
N.T.S.

RETAINING WALL NOTES

1. THIS DRAWINGS IS TO BE READ IN CONJUNCTION WITH THE CONTRACT DRAWINGS AND SPECIFICATIONS.
2. ALL DIMENSIONS ARE IN MILLIMETERS U.N.O.
3. DO NOT SCALE DRAWINGS. ALL DIMENSIONS TO BE CHECKED ON SITE.
4. REMOVE ALL DEBRIS FROM EXISTING SOIL AND USE ONLY CLEAN SAND FILL.
5. COMPACT SOIL UNDER FOOTING AND SLAB THROUGH A MINIMUM DEPTH OF 600mm.
6. LIMESTONE BLOCKS TO BE RE-CONSTITUTED LIMESTONE BLOCKS MIN DENSITY 18KN/m³.
7. PLACE INTERLOCKING KEYSTONE THROUGHOUT THE WALLS.
8. MORTAR MIX TO BE 2:1:9 CEMENT:LIME:SAND.
9. ALL STONES TO BE FULLY CEMENTED IN PLACE.
10. ALL CONCRETE WORK IN ACCORDANCE WITH AS 3600.
11. ALL CONCRETE SHALL BE WELL VIBRATED.
12. ALL VISIBLE LIMESTONE (INCLUDING THE FRONT TOP AND REAR OF WALL) SHALL BE POINTED WITH CREAM COLOURED MORTAR.
13. GROUND UNDER RETAINING WALL AND IN FRONT OF RETAINING WALL SHALL BE COMPACTED TO 8 BLOWS PER 300mm USING A STANDARD PERTH PENETROMETER.

RETAINING WALL BACKFILLING NOTES

1. DO NOT USE HEAVY ROLLING OR COMPACTING EQUIPMENT BEHIND WALL. NO MACHINES TO BE WITHIN A DISTANCE EQUAL TO HEIGHT 'H' FROM THE REAR FACE.
2. USE CLEAN BACKFILL BEHIND WALL WITH MAX DENSITY 18KN/m³ AND $\phi = 30^\circ$.
3. FILL TO BE PLACED IN LAYERS NOT EXCEEDING 200mm COMPACTED THICKNESS.
4. COMPACT USING A STEEL PLATE COMPACTOR.

DESIGN LOADS

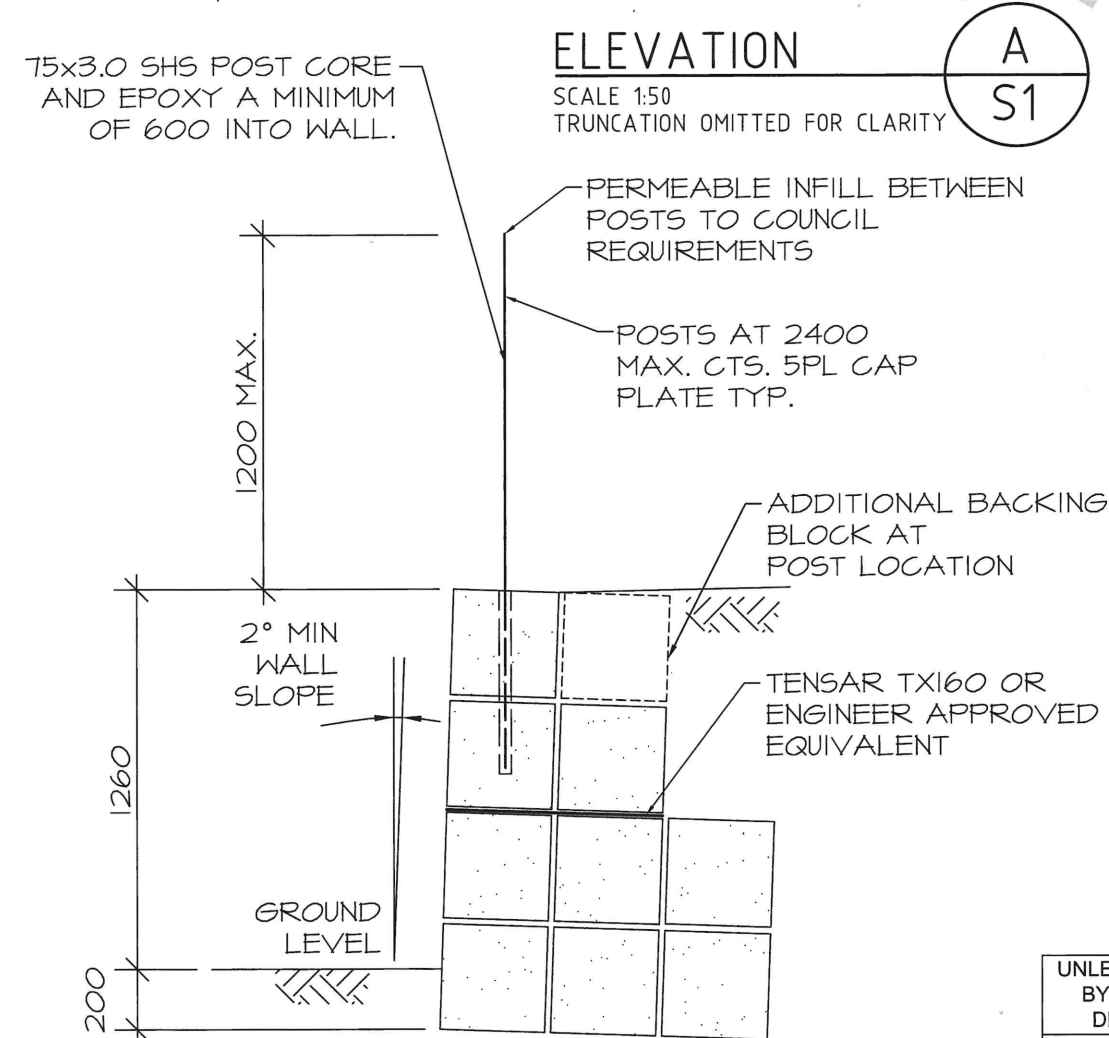
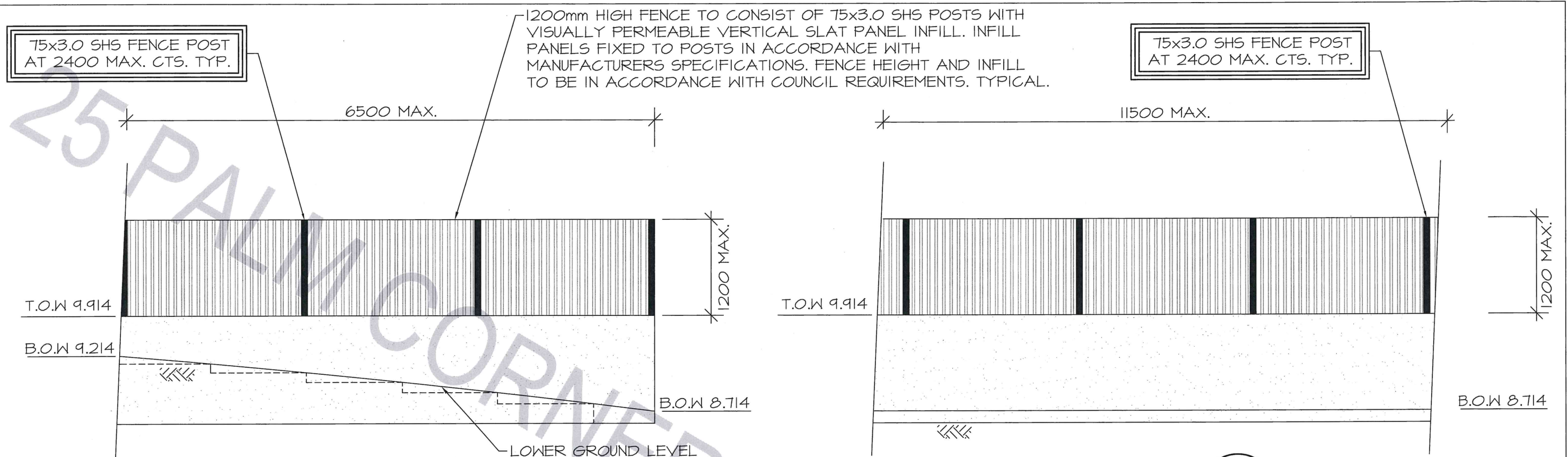
THE RETAINING WALL HAS BEEN DESIGNED FOR THE FOLLOWING CONDITIONS

1. WALL DESIGNED FOR GENERAL RETAINING LOAD OF 5kPa
2. MAXIMUM DENSITY OF BACKFILL TO BE 18 KN/m³ AND $\phi = 30^\circ$.
3. THE RETAINING WALL IS NOT DESIGNED FOR PORE PRESSURE.
4. ALL RETAINING WALLS EXCEEDING A STRAIGHT LENGTH OF 50m SHALL HAVE CONTROL JOINTS SPACED AT DISTANCES NO GREATER THAN 50m.
5. WALL STABILITY BASED ON TERRAIN CATEGORY 2.5 REGION A WIND LOADINGS IN ACCORDANCE WITH AS 1170.2. AND THE LOADING DIAGRAM.

UNLESS INDICATED BY REVISION '0' OR LATER AND SIGNED BY AN AUTHORISED COMPANY REPRESENTATIVE THIS DRAWING SHALL NOT BE USED FOR CONSTRUCTION			
DRAWING NOT VALID WITHOUT WATERMARKED ADDRESS			
F	JC	19/10/22	TRUNCATION REVISED
E	JC	13/10/22	FENCE POST LOCATION REVISED
D	JC	12/10/22	DIAGRAMMATIC FENCE HATCH ORIENTATION ON S2 REVISED
C	JC	10/10/22	FENCE HEIGHT REVISED
REV	BY	DATE	REVISION DESCRIPTION

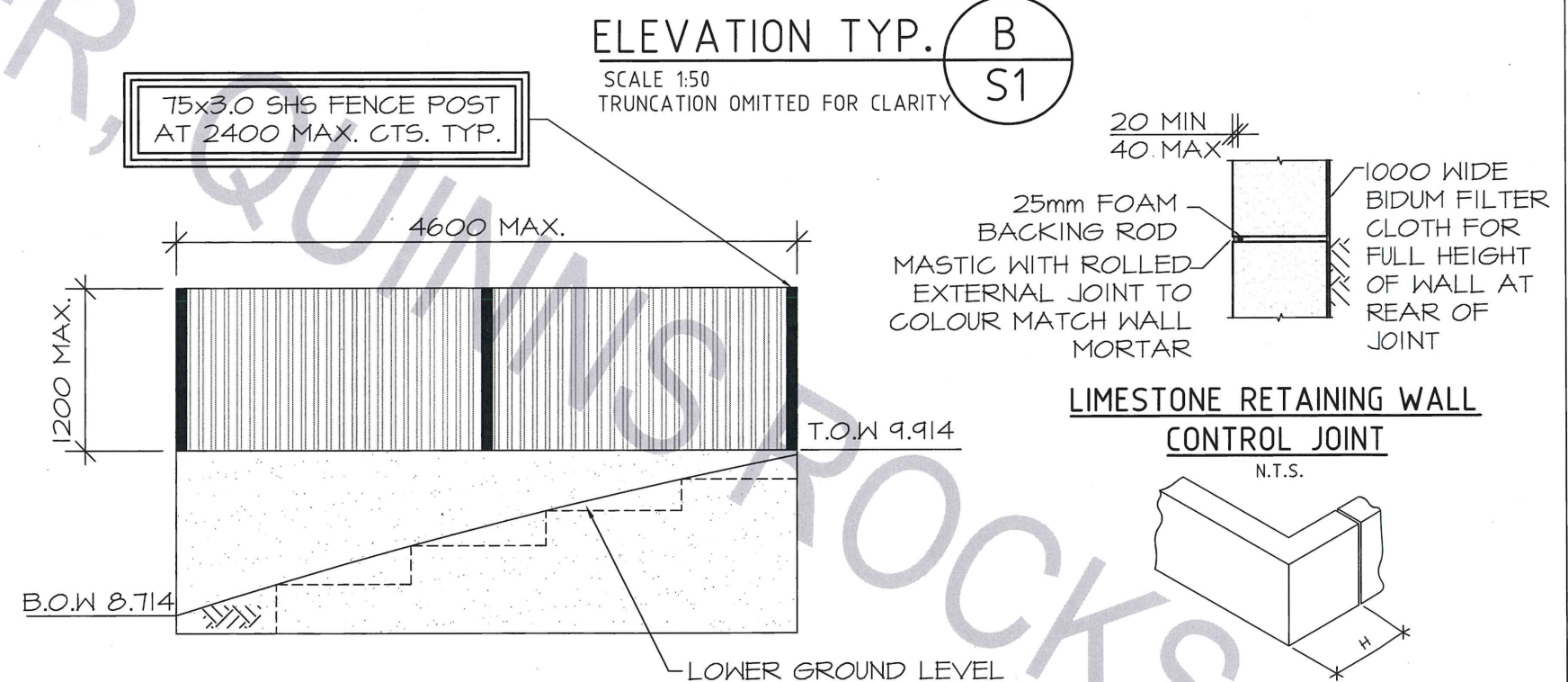
SINISA VUKSA BEng MIEAust CPEng NER No.2463578	
Date	JUNE 2022
Scale	AS SHOWN AT A3

3 B WADDELL CONSULTING ENGINEERS	
Project	25 PALM CORNER, QUINNS ROCKS PROPOSED RETAINING WALL
Client	CAMERON TURNER
Job No:	30143
Drg No:	S1



TYPICAL SECTION

SCALE 1:25
1260 MAX. RETAINING



ELEVATION

SCALE 1:50
TRUNCATION OMITTED FOR CLARITY

**LIMESTONE RETAINING WALL
CONTROL JOINT**

N.T.S.

**LIMESTONE RETAINING WALL
CONTROL JOINT AT A
CHANGE OF DIRECTION**

N.T.S.

UNLESS INDICATED BY REVISION '0' OR LATER AND SIGNED BY AN AUTHORISED COMPANY REPRESENTATIVE THIS DRAWING SHALL NOT BE USED FOR CONSTRUCTION

DRAWING NOT VALID WITHOUT WATERMARKED ADDRESS

REV	BY	DATE	REVISION DESCRIPTION
F	JC	19/10/22	TRUNCATION REVISED
E	JC	13/10/22	FENCE POST LOCATION REVISED
D	JC	12/10/22	DIAGRAMMATIC FENCE HATCH ORIENTATION ON S2 REVISED
C	JC	10/10/22	FENCE HEIGHT REVISED

SINISA VUKSA
SINISA VUKSA
BEng MIEAust CPEng
NER No.2463578

Date
JUNE 2022

Scale
AS SHOWN AT A3

B WADDELL
CONSULTING ENGINEERS

Project	25 PALM CORNER, QUINNS ROCKS PROPOSED RETAINING WALL	Job No: 30143
Client	CAMERON TURNER	Drg No: S2