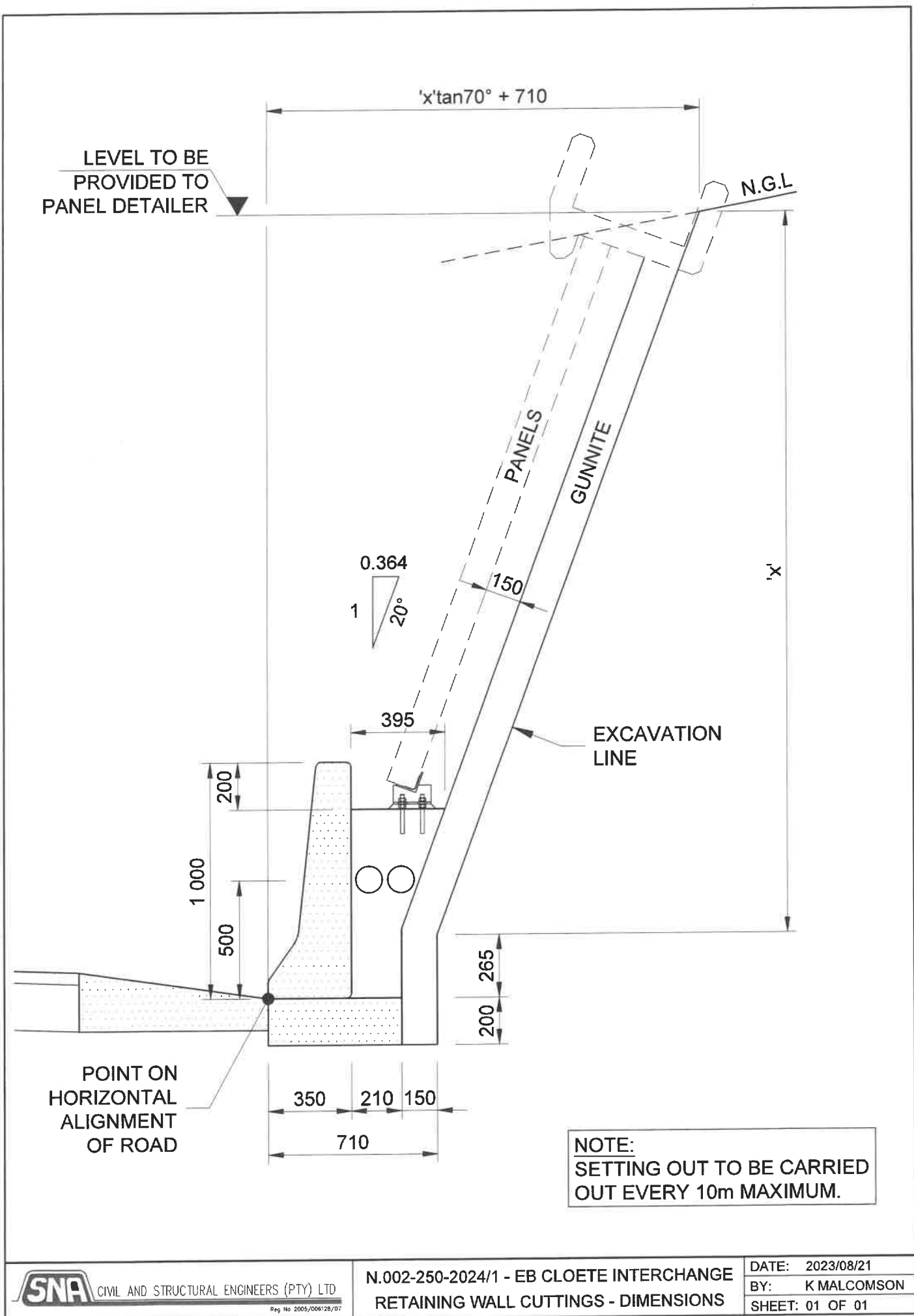




NOTES

1. MATERIALS AND FINISHES

THE MATERIAL AND WORK SHALL COMPLY WITH THE RELEVANT CLAUSES OF SERIES 6000 AND 8000 OF THE STANDARD SPECIFICATIONS, THE PROJECT SPECIFICATIONS AND SHALL INCLUDE THE FOLLOWING:

- 1.1. CONCRETE CLASS (MPa/mm): W30/20
- 1.2. SURFACE FINISHES:
 - 1.2.1. CLASS F3 - STEEL SHUTTER FINISH
 - 1.2.2. CLASS U3 - STEEL TROWEL FINISH

2. MANUFACTURING

- 2.1. THE PRECAST UNITS SHALL CONFORM TO ALL DETAILS, INCLUDING DIMENSIONAL TOLERANCES SHOWN ON THE DETAIL DRAWINGS.
- 2.2. THE FOLLOWING IDENTIFICATION MARKING SHALL APPEAR ON END OF EACH UNIT:
 - 2.2.1. THE MOULD NUMBER AND TYPE OF UNIT.
 - 2.2.2. THE DATE OF CASTING.

3. TOLERANCES

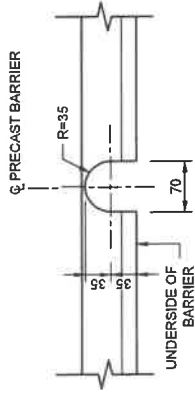
THE SHUTTER SHALL BE MANUFACTURED TO TOLERANCES THAT WILL ENSURE THAT UNITS AFTER CASTING COMPLY WITH THE FOLLOWING TOLERANCES:

- 3.1. DIMENSIONS:
 - 3.1.1. TRANSVERSAL : +5mm - 0mm
 - 3.1.2. LONGITUDINAL : +0mm - 5mm
- 3.2. SURFACE IRREGULARITIES AND WARP MEASURED BY MEANS OF A STRAIGHT EDGE:
 - 3.2.1. TRANSVERSAL : -2mm
 - 3.2.2. LONGITUDINAL : -3mm OVER LENGTH OF UNIT
- 3.3. SQUARENESS OF ENDS:

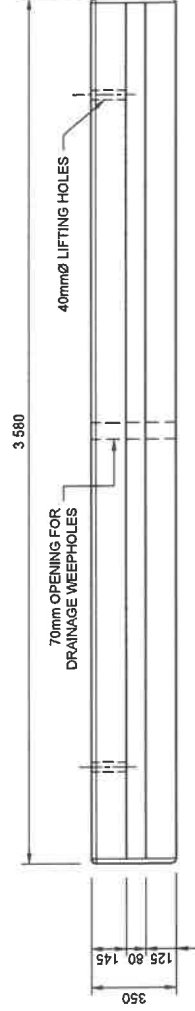
NO DIMENSIONS ALL DEViate BY MORE THAN 3mm FROM THE THEORETICAL SQUARE PLANE CORRESPONDING TO THE FURTHEST PROJECTING CONCRETE.
- 3.4. TOLERANCES APPLICABLE TO ERECTION OF UNITS:
 - 3.4.1. DIMENSIONS FROM SETTING OUT LINE TO FRONT FACES : 10mm OUTWARDS, 0mm INWARDS
 - 3.4.2. STEPS IN CONCRETE FRONT FACES AT ABUTTING UNITS : 3mm
 - 3.4.3. DEVIATION FROM LINE AND LEVEL MEASURED OVER ANY 5 UNITS : 5mm

4. REINFORCEMENT

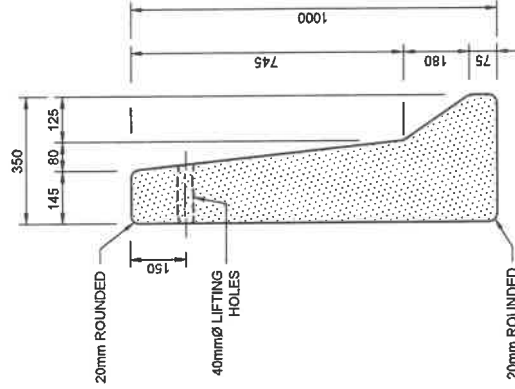
- 4.1. THE REINFORCEMENT DETAILS SHOWN ON THIS DRAWING ARE FOR CONVENTIONAL REINFORCING STEEL BARS TO SANS 920 - 2005
 - MILD STEEL : R-BARS : 250MPa
 - HIGH TENSILE STEEL : Y-BARS : 450MPa
- 4.2. REINFORCEMENT DETAILING ACCORDING TO SANS 282 : 2011.
- 4.3. CONCRETE COVER TO REINFORCEMENT: 40mm.
- 4.4. ATTENTION SHALL BE GIVEN TO THE NUMBER AND POSITIONING OF THE COVER BLOCKS TO ENSURE THAT MINIMUM CONCRETE COVER IS MAINTAINED DURING CONCRETING.
- 4.5. MINIMUM LAP LENGTH SHALL BE 45 x BAR DIA.
- 4.6. REINFORCEMENT SHALL BE INSPECTED BY THE ENGINEER PRIOR TO CASTING OF CONCRETE.



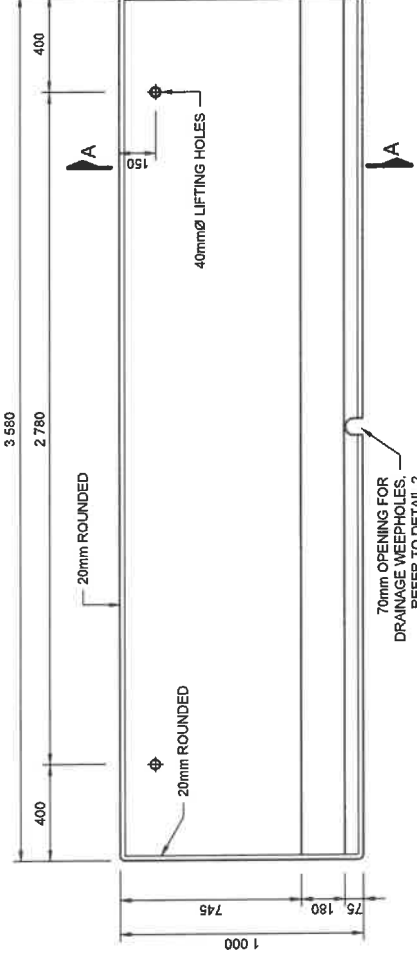
DETAIL 2 - WEEPHOLE OPENING
SCALE 1:10



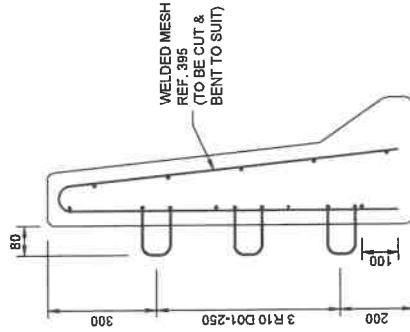
TYPICAL PLAN OF PRECAST BARRIER
SCALE 1:30



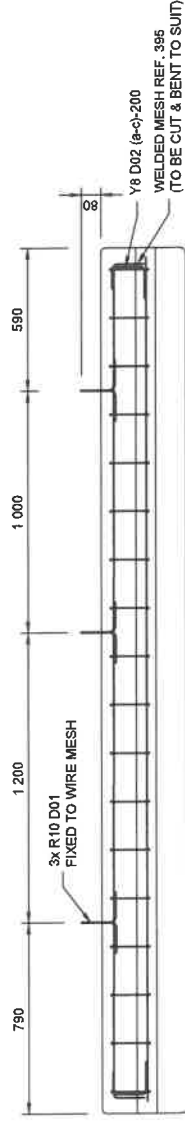
SECTION A - A
SCALE 1:20



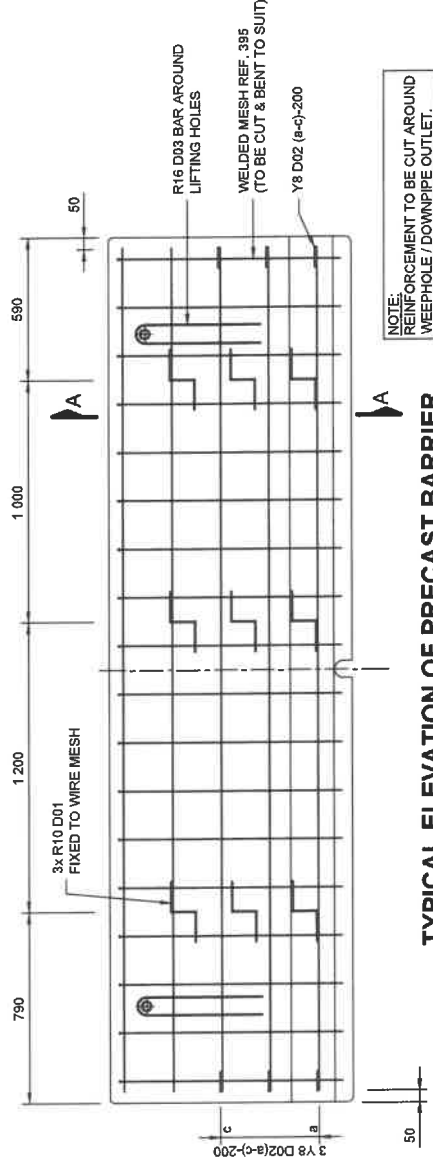
TYPICAL ELEVATION OF PRECAST BARRIER
SCALE 1:30



**SECTION A - A
(REINFORCEMENT)**
SCALE 1:20



**TYPICAL PLAN OF PRECAST BARRIER
(REINFORCEMENT)**
SCALE 1:30



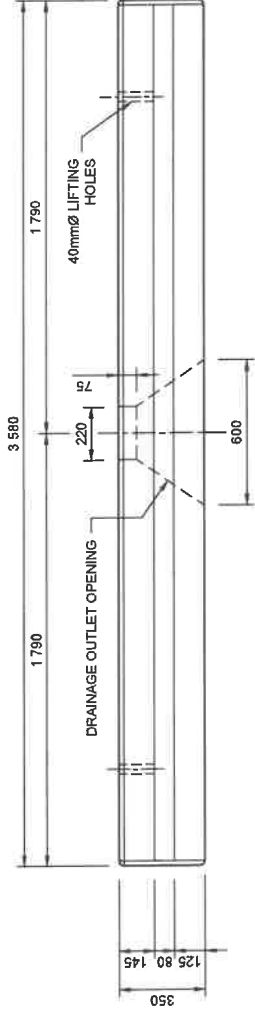
**TYPICAL ELEVATION OF PRECAST BARRIER
(REINFORCEMENT)**
SCALE 1:30



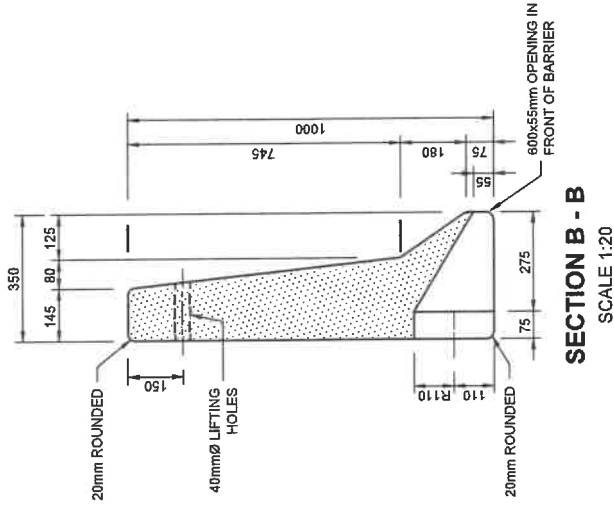
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PRECAST NJ BARRIERS - REINFORCEMENT

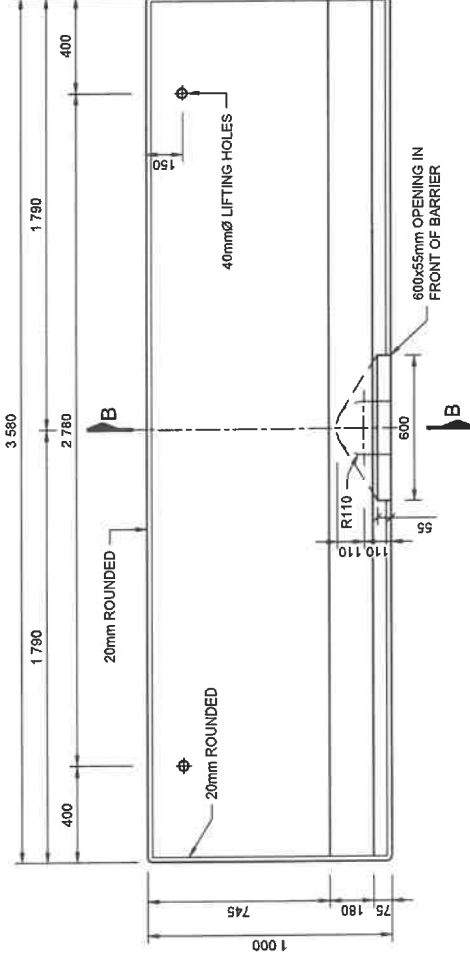
DATE: 2023/08/20
BY: K MALCOMSON
SHEET: 04 OF 04



TYPICAL PLAN OF DOWNPIPE PRECAST BARRIER
SCALE 1:30



SECTION B - B
SCALE 1:20



TYPICAL ELEVATION OF BARRIER WITH DRAINAGE OUTLET
SCALE 1:30



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N.002-250-2024/1 - EB CLOETE INTERCHANGE
COPING DRAINAGE OUTLET - BARRIER

DATE: 2023/08/20
BY: K MALCOMSON
SHEET: 02 OF 02

