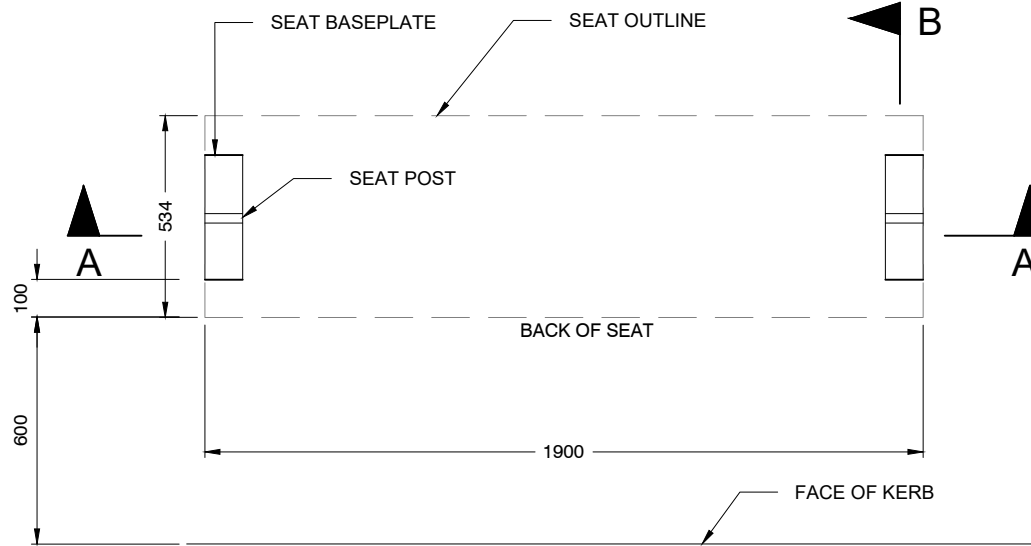


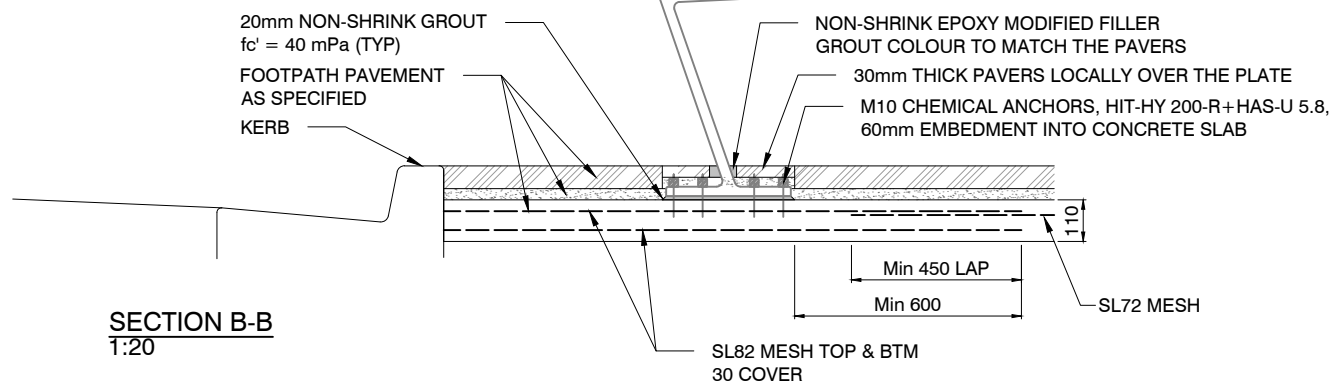
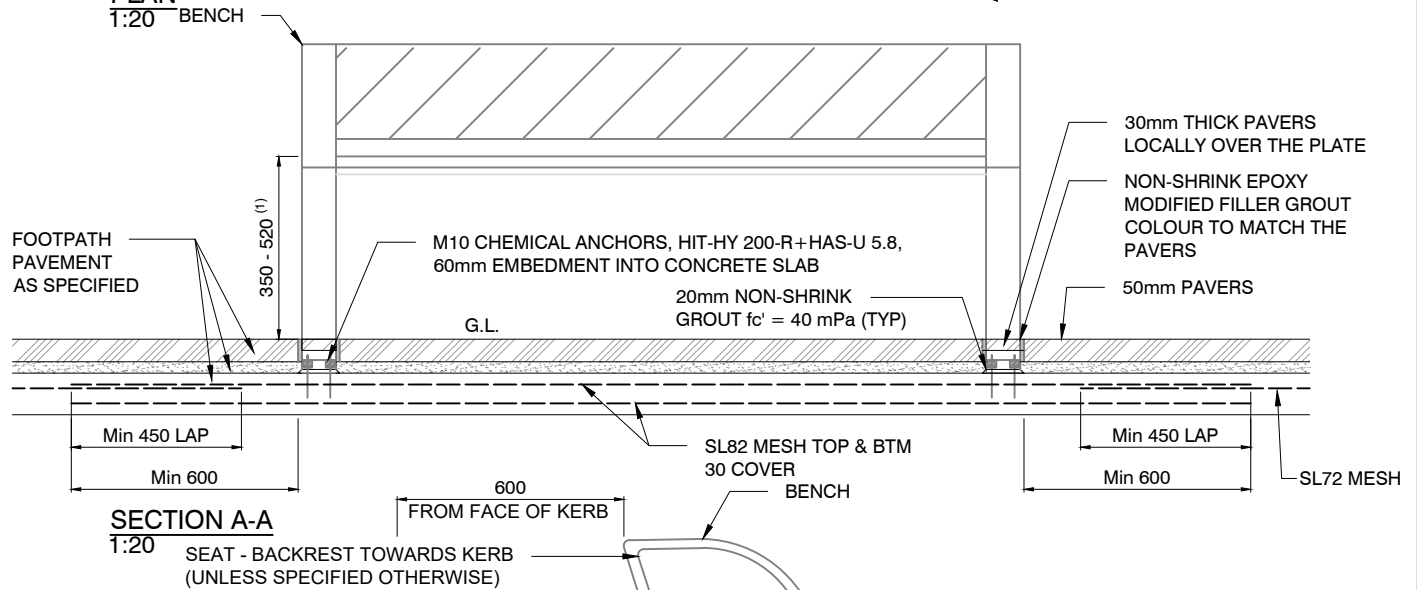
PLAN 1:100

NOTES:

1. WHEREVER POSSIBLE FIXTURES SHOULD BE LOCATED TO ALIGN FIXING POINTS WITH PAVING JOINTS TO MINIMISE CUTTING THROUGH PAVING UNITS. SET FIXTURES FURTHER APART (CLEARANCE MIN. 300 mm) AS REQUIRED TO ALIGN WITH PAVING JOINTS.
2. SUFFICIENT SPACE SHOULD BE ALLOWED BETWEEN FIXTURES ACCOMMODATE BELOW GROUND FOOTING AND FIXINGS.
3. ALLOW FOR MORE ADEQUATE CLEARANCE IN RELATION TO FIXTURE USAGE AS REQUIRED.
4. EG. AT TELEPHONE BOOTHS AND FOR BIKE RACK/RING.
5. FIXTURES SHOULD BE LIMITED IN CLOSE PROXIMITY TO PEDESTRIAN CROSSING POINTS TO MINIMISE OBSTRUCTION.
6. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED

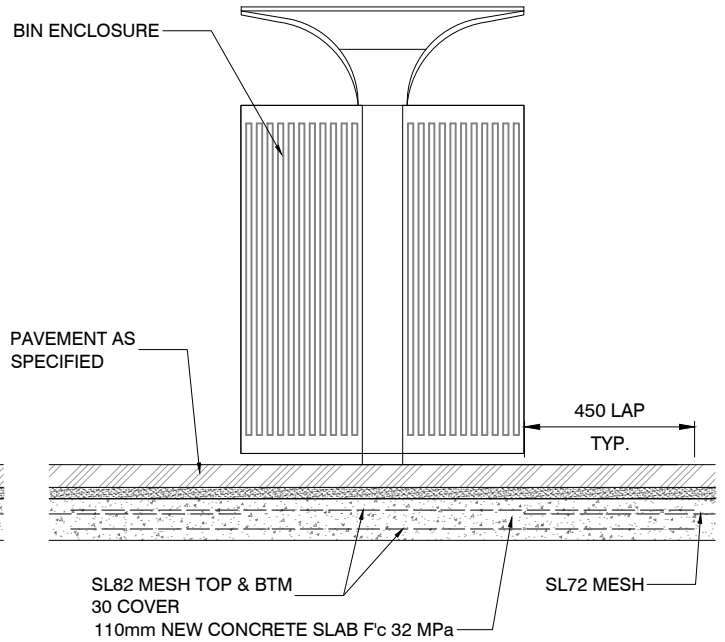
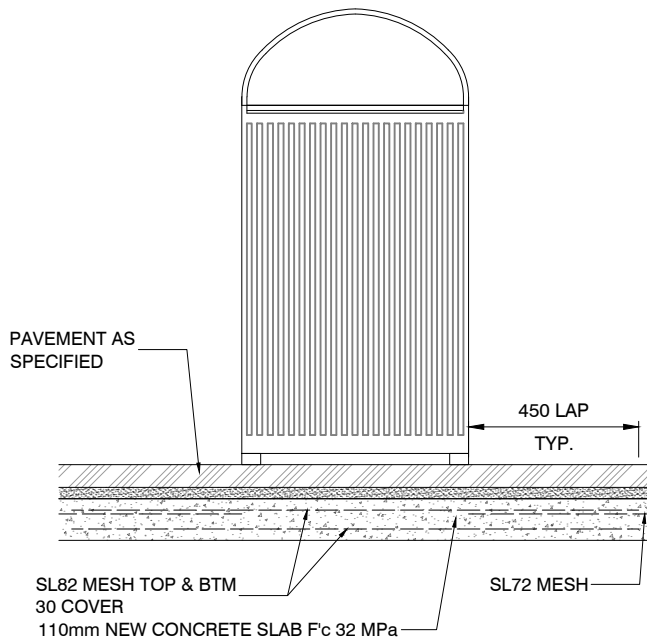


PLAN
1:20



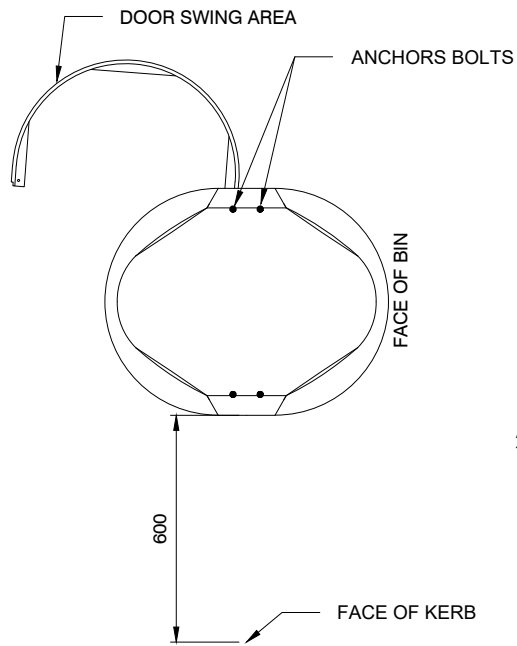
NOTES:

- SEATS SHALL ONLY BE INSTALLED WHERE A HEIGHT OF 400-450 mm, MEASURED FROM THE CENTER OF THE SEAT, CAN BE ACHIEVED, AND WHERE THE HEIGHT OF THE SEAT EDGES FALLS WITHIN THE RANGE OF 350-520 mm.
- CONCRETE GRADE $f_c' = 32 \text{ MPa}$.
- ALL HOLDING DOWN BOLTS, BASE PLATE AND BIN DETAILS, REFER TO MANUFACTURER'S SPECIFICATIONS.
- THE STRUCTURAL ELEMENTS SHOWN ON THESE DRAWINGS HAVE BEEN DESIGNED FOR THE FOLLOWING LIVE LOADS:
 - 1.0 kN/m APPLIED Laterally TO THE TOP EDGE OF THE SEAT.
 - 1.5 kN/m APPLIED Vertically TO THE SEAT BENCH.
- THE FOUNDATION HAVE BEEN DESIGNED FOR AN MINIMUM ALLOWABLE BEARING PRESSURE OF 150 kPa.
- IF ANCHORING TO AN EXISTING CONCRETE SLAB, REFER TO STD DRG # 4.2.2
- ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.



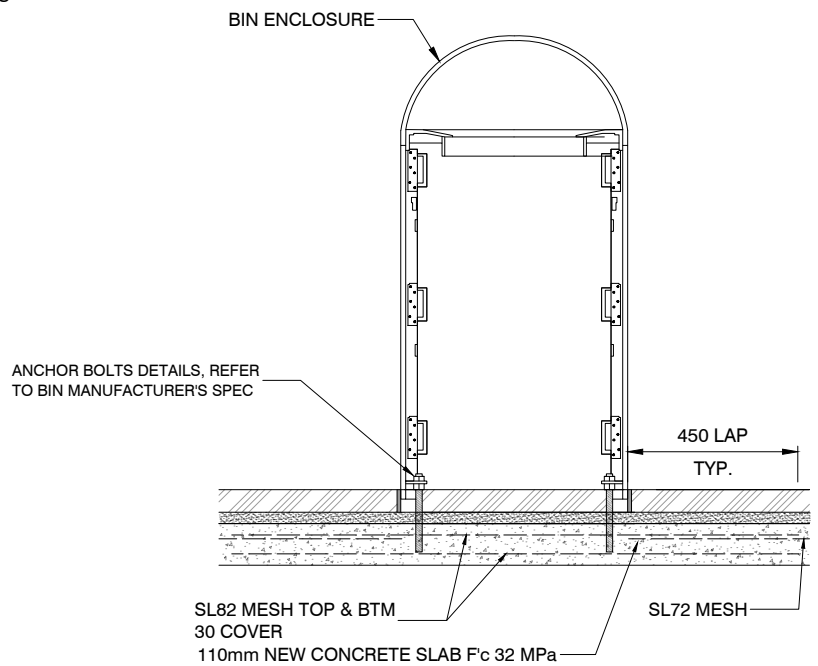
VIEWS

1:20



PLAN

1:20

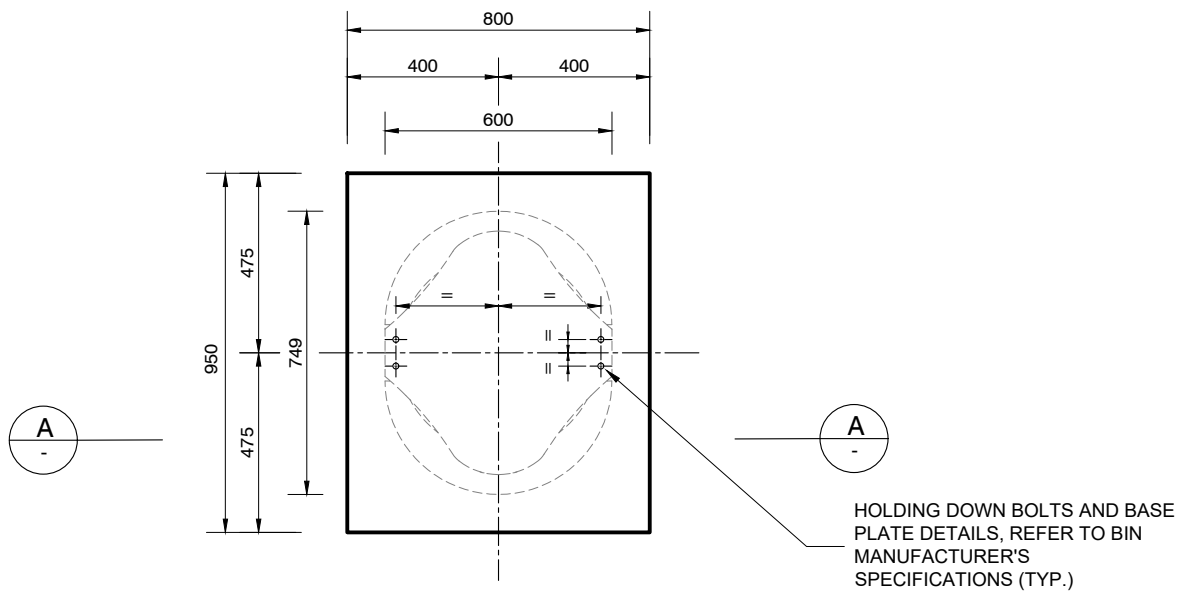


SECTION

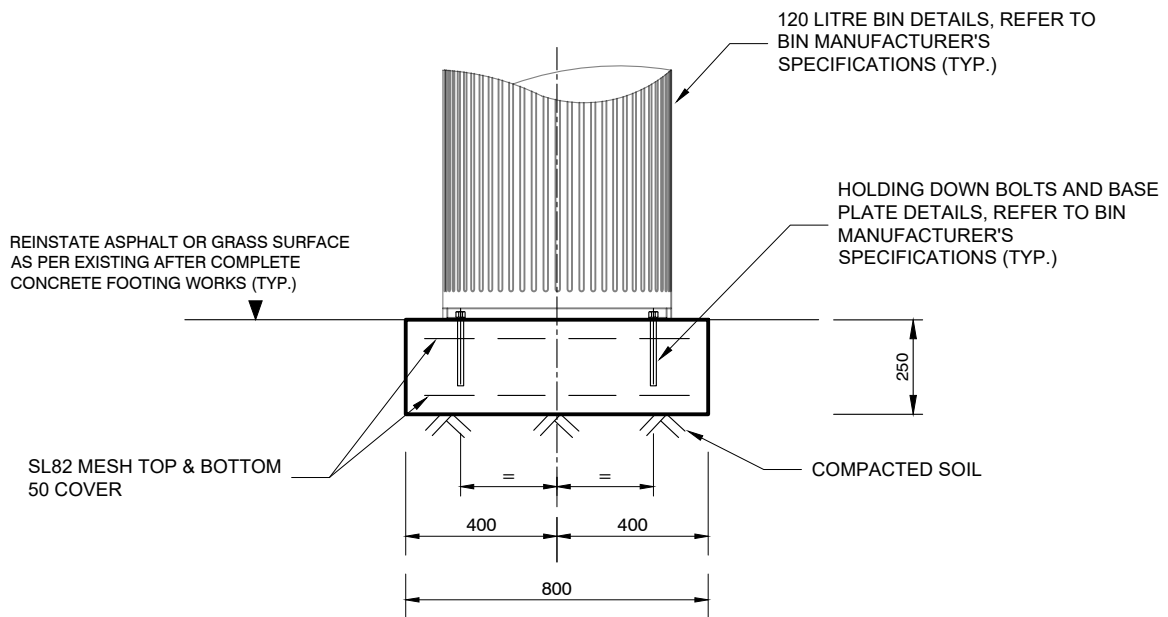
1:20

NOTES:

1. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.
2. ALL HOLDING DOWN BOLTS, BASE PLATE AND BIN DETAILS, REFER TO MANUFACTURER'S SPECIFICATIONS.
3. IF ANCHORING TO AN EXISTING CONCRETE SLAB, ENSURE SLAB IS MINIMUM 110 mm THICK. IF SLAB THICKNESS IS LESS THAN 110 mm, REFER TO STD DRG # 4.3.3
4. REFER TO CITY OF SYDNEY TECHNICAL SPECIFICATIONS FOR ALL WORKS.



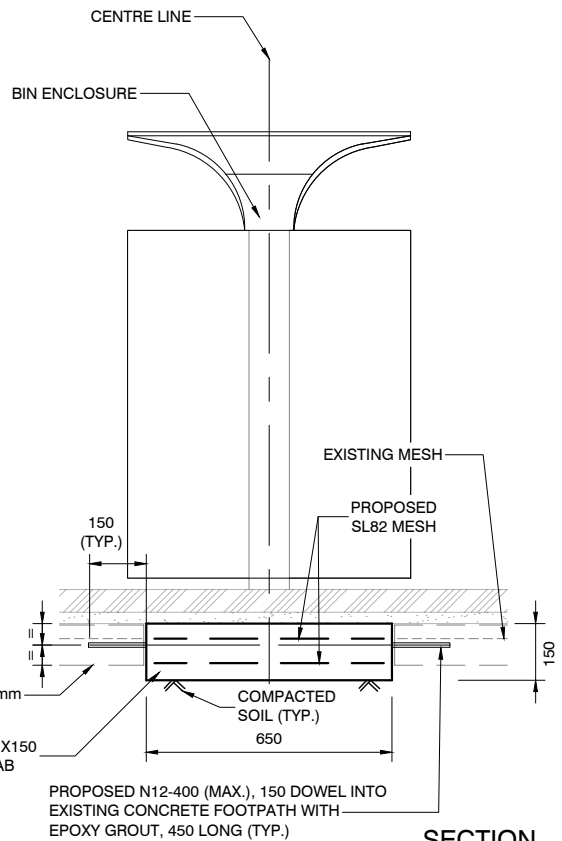
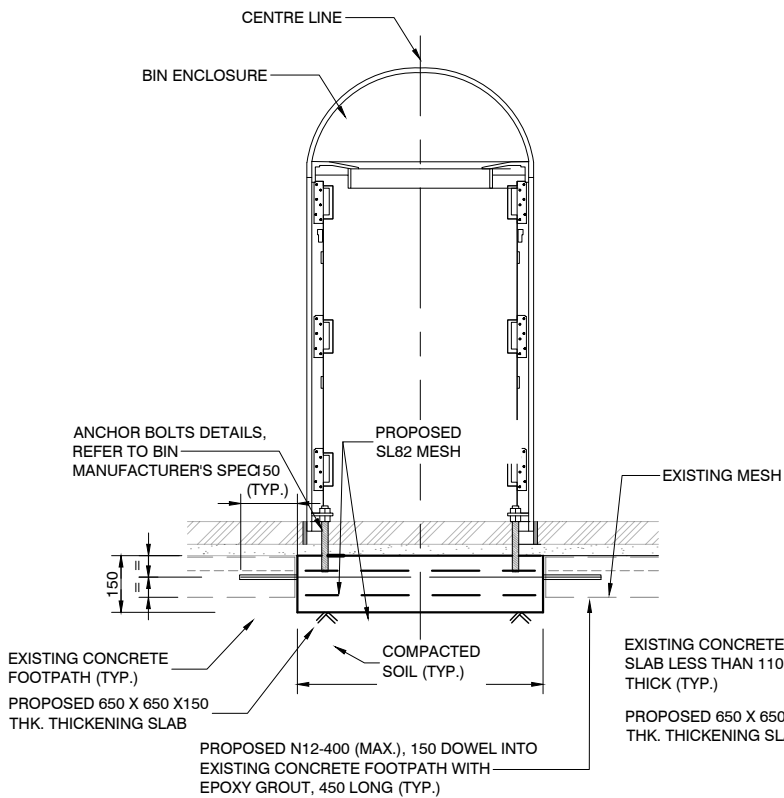
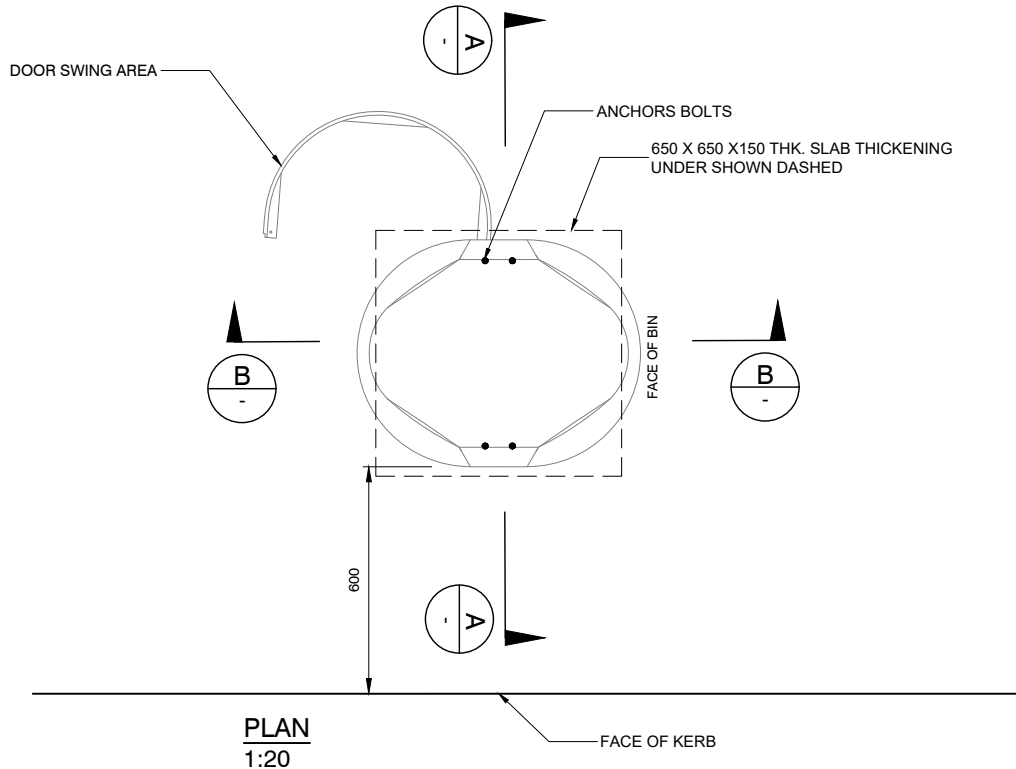
120L BIN FOOTING PLAN
1:20



SECTION A
1:20

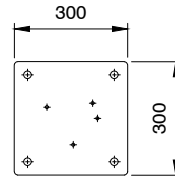
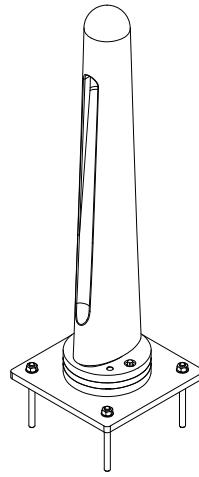
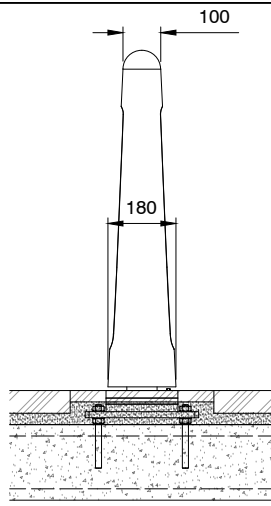
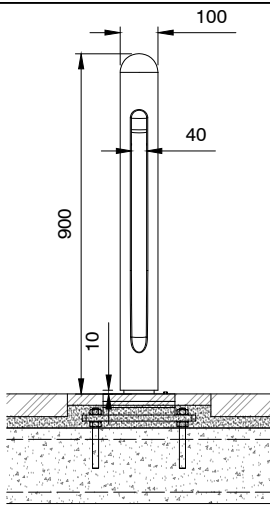
NOTES:

1. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.
2. CONCRETE GRADE $f_c = 32$ MPa.
3. ALL HOLDING DOWN BOLTS, BASE PLATE AND BIN DETAILS, REFER TO MANUFACTURER'S SPECIFICATIONS.
4. REFER TO CITY OF SYDNEY TECHNICAL SPECIFICATIONS FOR ALL WORKS.

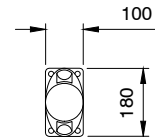
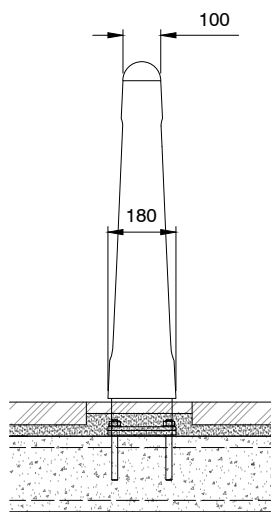
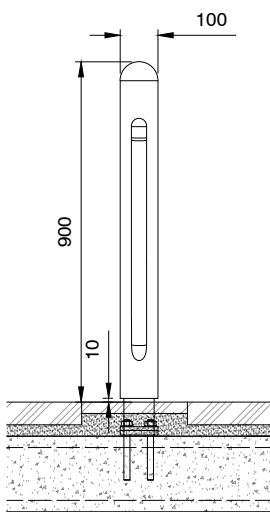


NOTES:

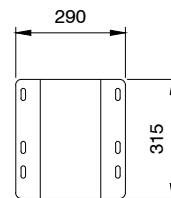
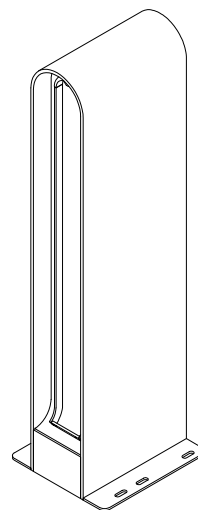
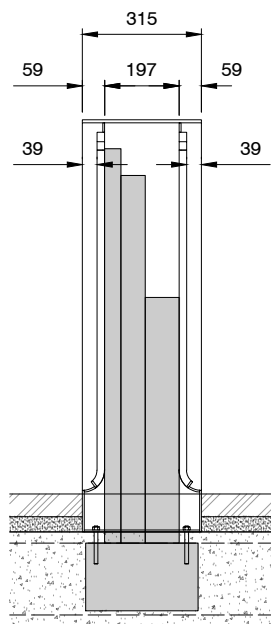
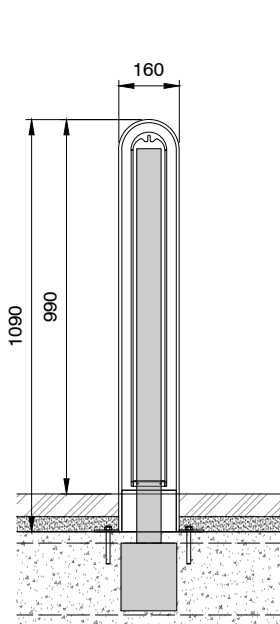
1. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.
2. CONCRETE GRADE $f_c = 32$ MPa.
3. ALL CONCRETE COVER TO BE 40mm TOP & 50mm BOTTOM
4. ALL HOLDING DOWN BOLTS, BASE PLATE AND BIN DETAILS, REFER TO MANUFACTURER'S SPECIFICATIONS.
5. REFER TO CITY OF SYDNEY TECHNICAL SPECIFICATIONS FOR ALL WORKS.



REMOVABLE BOLLARD - LOW IMPACT
1:20



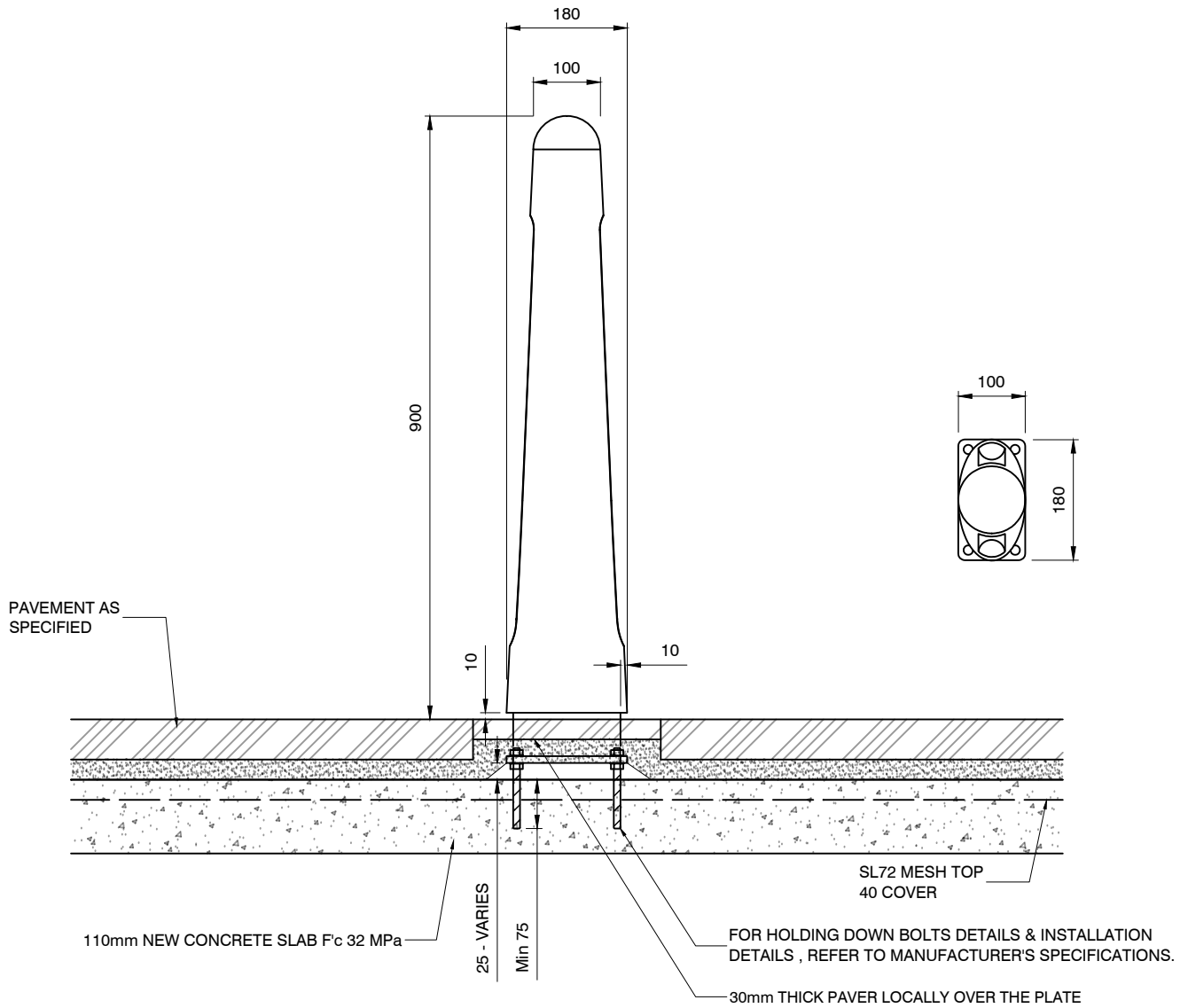
SOLID BOLLARD - MEDIUM IMPACT
1:20



ANTI-VEHICULAR BOLLARD
1:20

NOTES:

1. ALL IMPACT BOLLARD INSTALLATIONS, INCLUDING FOOTING DESIGN, SHALL BE CARRIED OUT BY THE SUPPLIER OR A NOMINATED CONTRACTOR APPROVED BY THE SUPPLIER. THE SUPPLIER SHALL INSPECT AND CERTIFY THE INSTALLATION.
2. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.

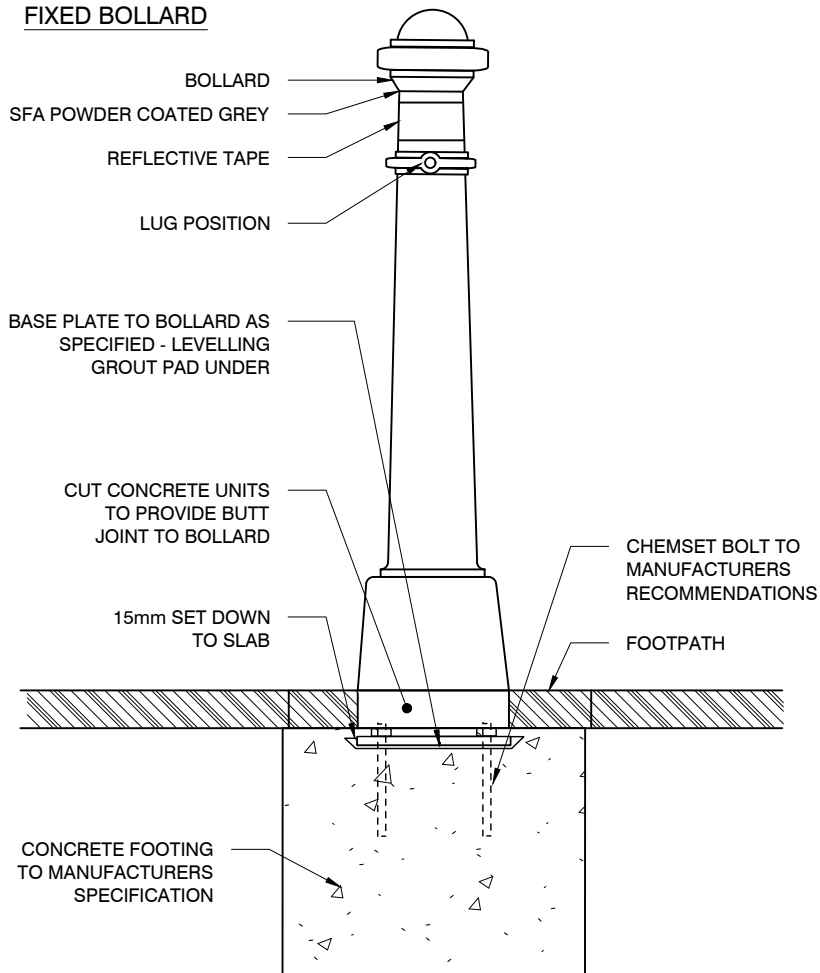


SOLID BOLLARD SECTION
1:10

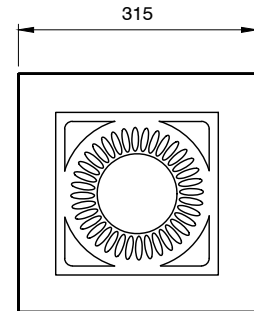
NOTES:

1. IF INSTALLING BOLLARD ON EXISTING CONCRETE SLAB, ENSURE SLAB IS MINIMUM 110 mm THICK.
2. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.

FIXED BOLLARD

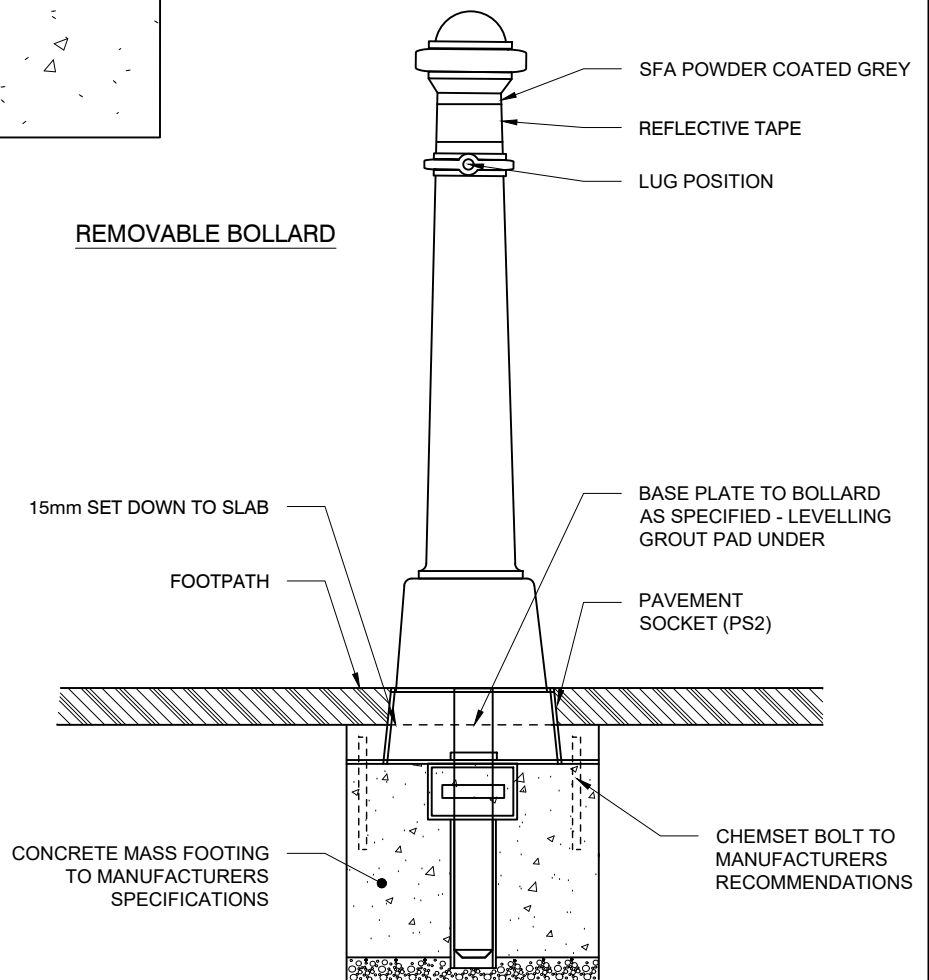
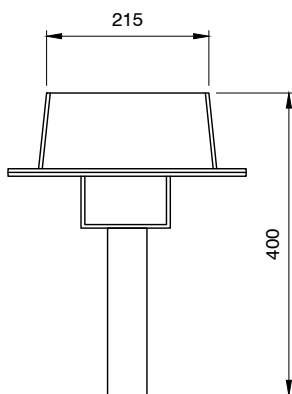


PAVEMENT SOCKET PLAN



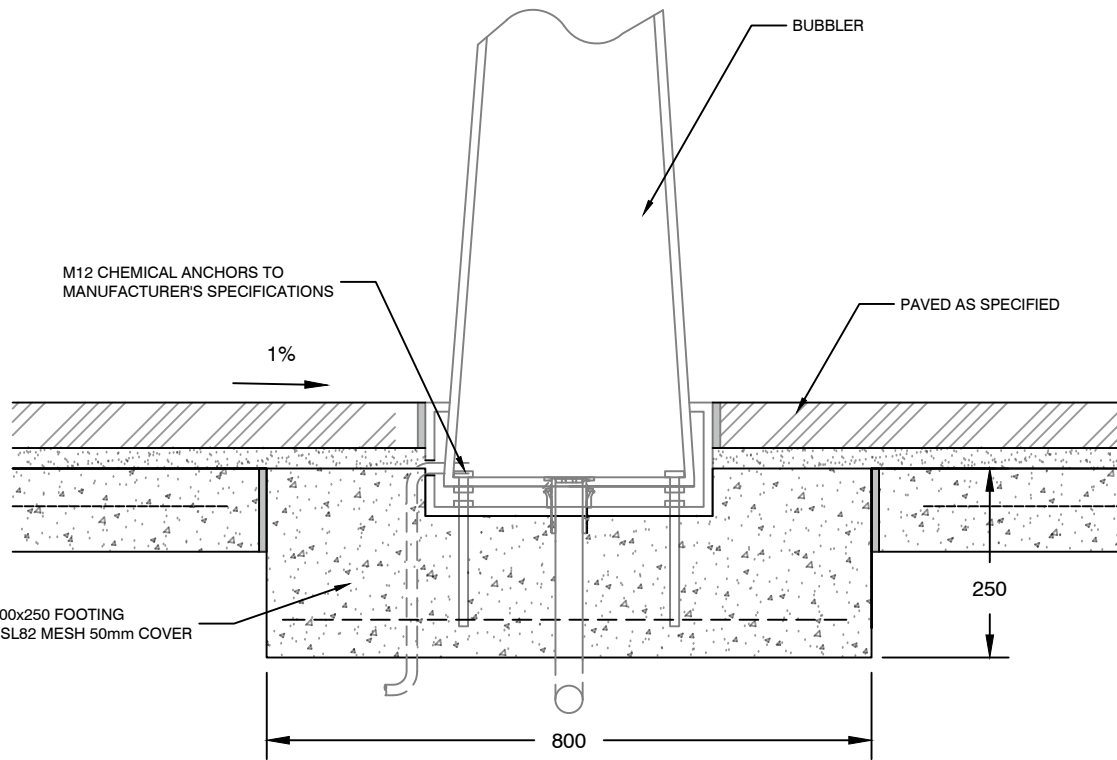
REMOVABLE BOLLARD

PAVEMENT SOCKET ELEVATION



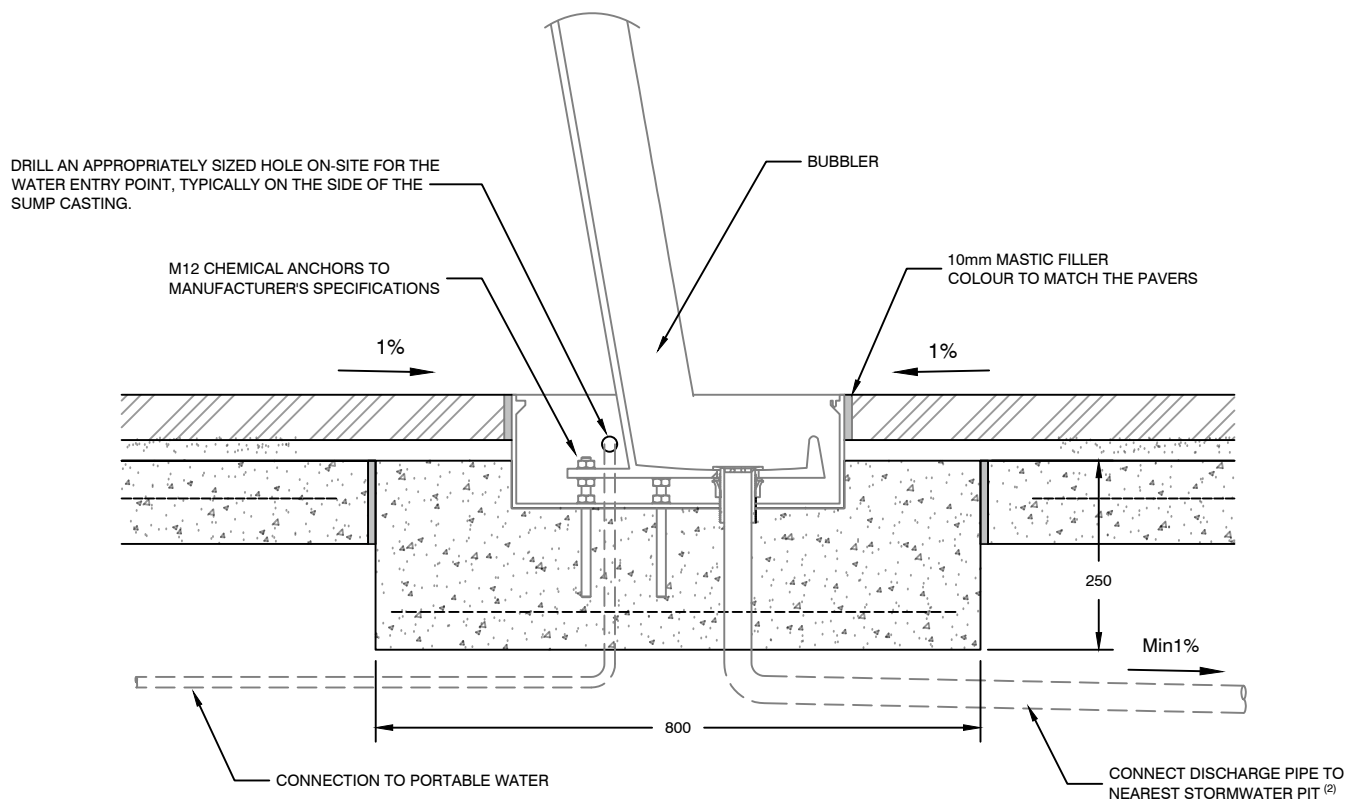
SCALE 1:10

NOTE: ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED



FRONT VIEW

SECTION 1:10



SIDE VIEW

NOTES:

1. INDICATIVE LOCATIONS FOR THE POTABLE WATER ENTRY POINT AND DISCHARGE PIPE ARE SHOWN AND SHALL BE ADJUSTED AS REQUIRED BASED ON SITE CONDITIONS
2. DISCHARGE PIPE MAY BE CONNECTED TO KERB OUTLET IF NO NEARBY STORMWATER PIT EXISTS, SUBJECT TO SUFFICIENT FALL AND CITY'S REPRESENTATIVE APPROVAL
3. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED