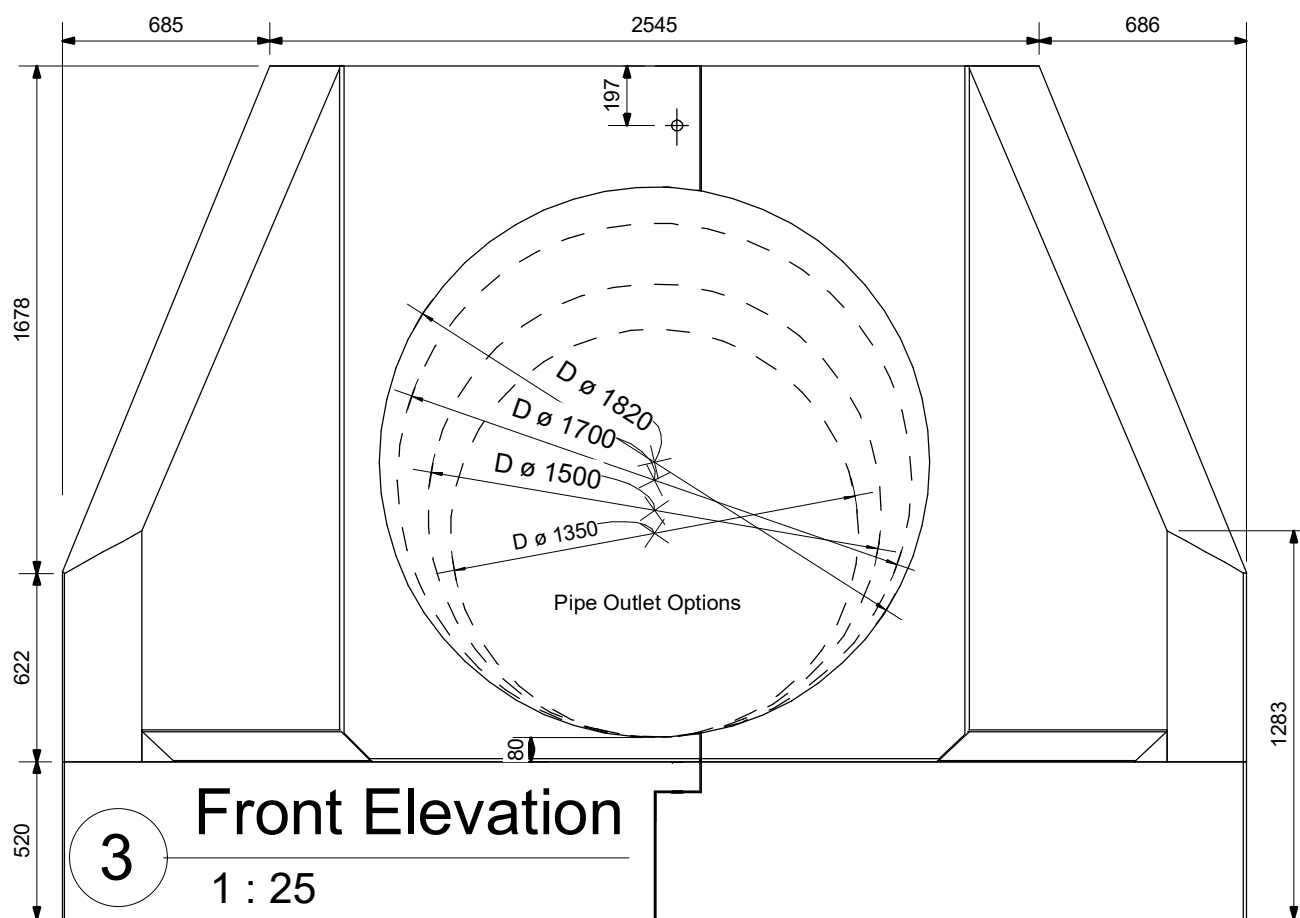


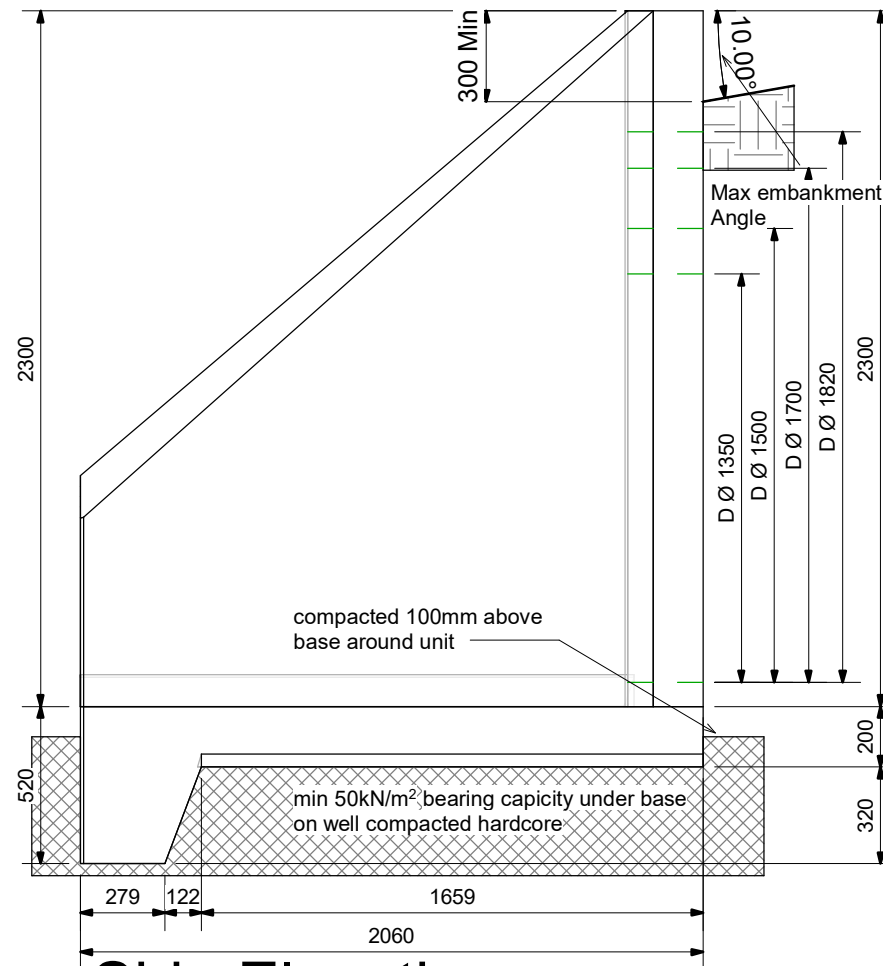
Headwall Plan

1 : 25



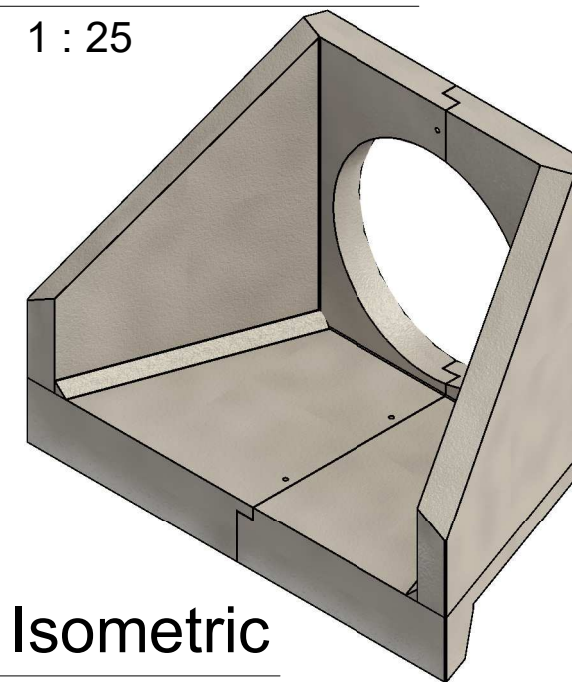
Front Elevation

1 : 25



Side Elevation

1 : 25



Isometric

GENERAL NOTES:

1. This drawing to be read with C&SC C202 Condon Concrete - Headwall Design Calculations, Dated 10/09/2020
2. Backfill material is free draining
3. There are no Live Loads effects on the headwall
4. Characteristic value on Internal Friction (Φ) of the backfill material = 37.5°
5. Scouring to the front of the unit is not permitted. Regular checks and maintenance to be carried out to prevent scouring

Concrete Strength 45N (C35/45)
 Exposure Class XC4
 Reinforcement H12@200c/c both directions
 Min Cover 45mm
 Unit Weight 5200kg \pm 450kg
 Max. Embankment Slope 10°
 Surface All exposed concrete surfaces from 100mm below ground level to be class U4/U5 finish, all other surfaces to be class U1/F1 finish

Outlet Dimensions Options

Structural (D)	Pipe Diameter
1820mm	1500mm
1700mm	1350mm
1500mm	1200mm
1350mm	1050mm

Note: the void between the structural ope and the pipe to be filled with non-compressible high strength grout

No.	Description	Date
A	Pipe Diameters Revised	07/09/20
B	Embankment Angle revised	10/09/20



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PROJECT
Headwall XL T1

SHEET
PLAN, ELEVATION, SECTION AND ISOMETRIC VIEW

CLIENT
Condron Concrete Works

Date 27/08/2020	Project number HW 2020	Scale (@ A3) As indicated
Drawn by SL	DRWAING NUMBER XL T1	REV B
Checked by BS		