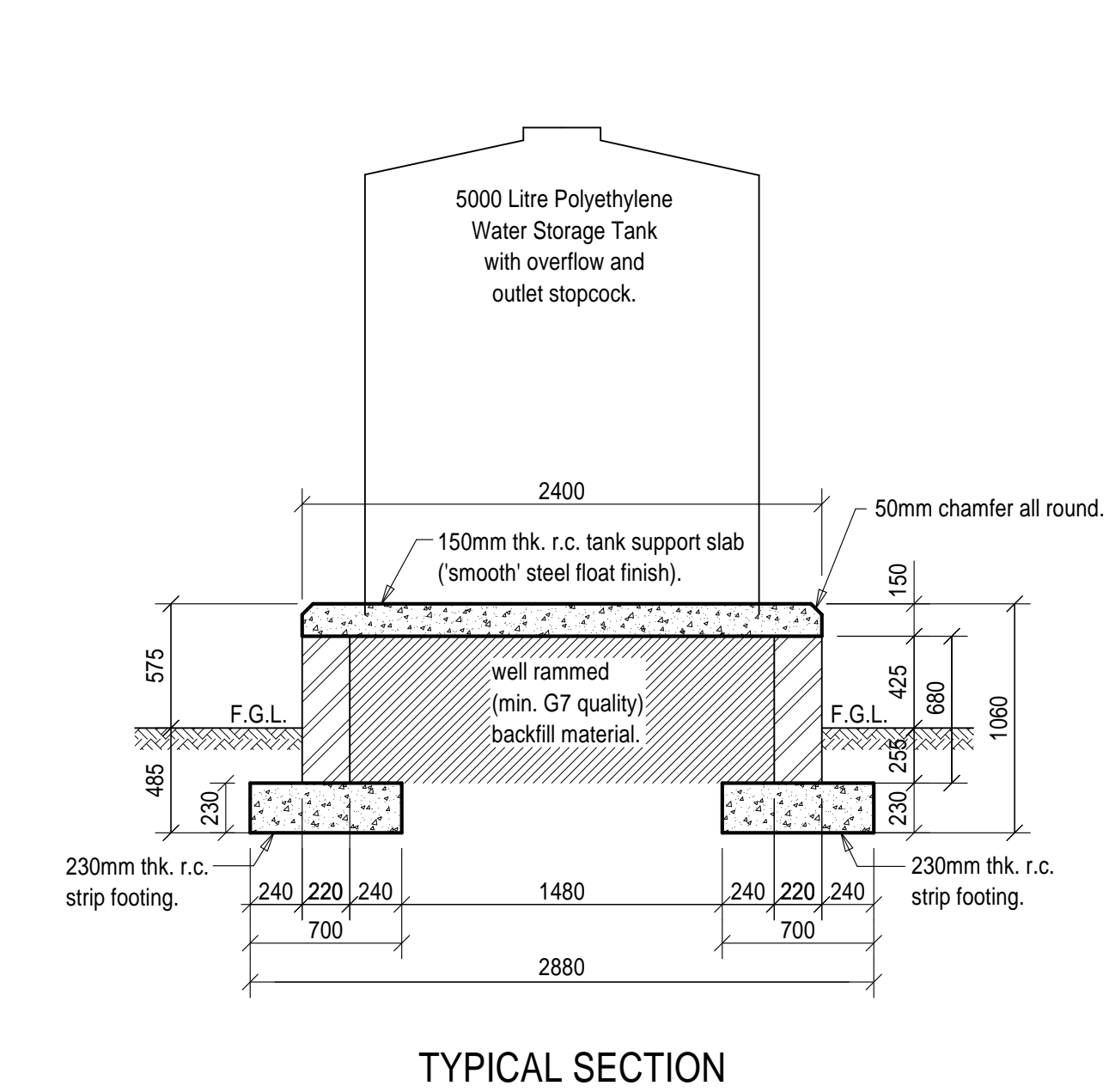
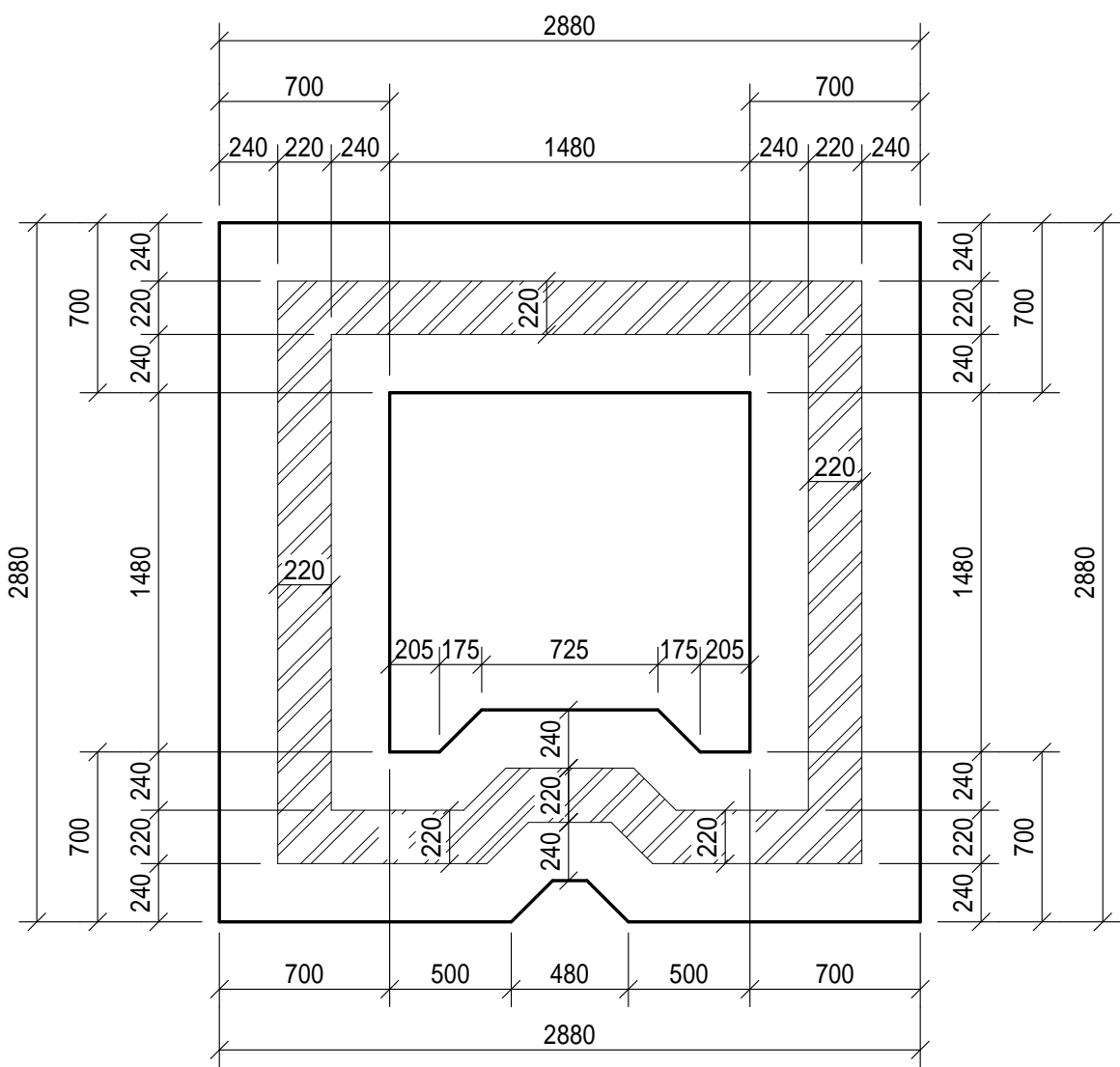


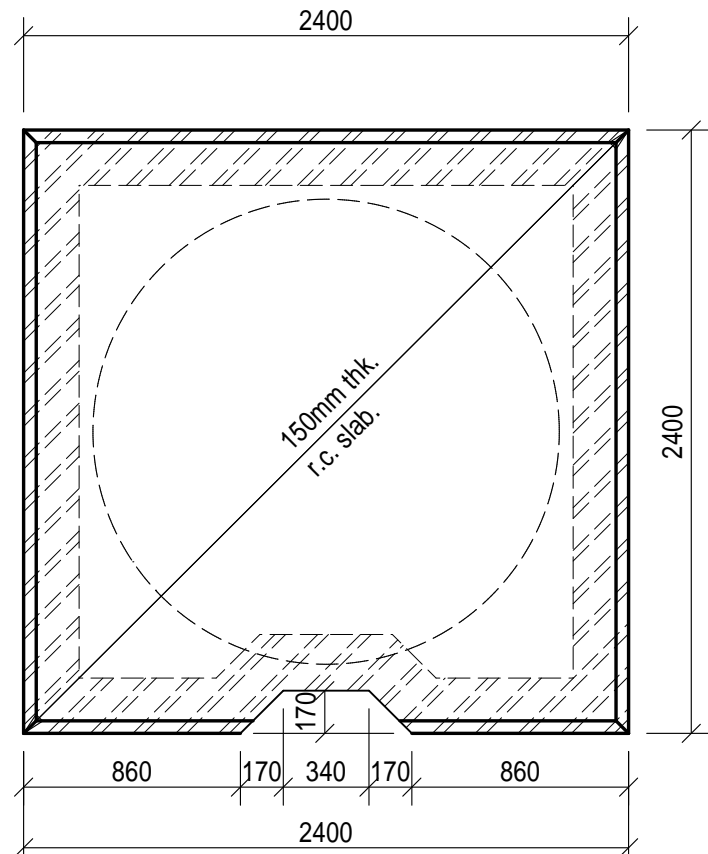
5000 Litre Water Tank Support Structure



TYPICAL SECTION



PLAN ON STRIP FOOTING

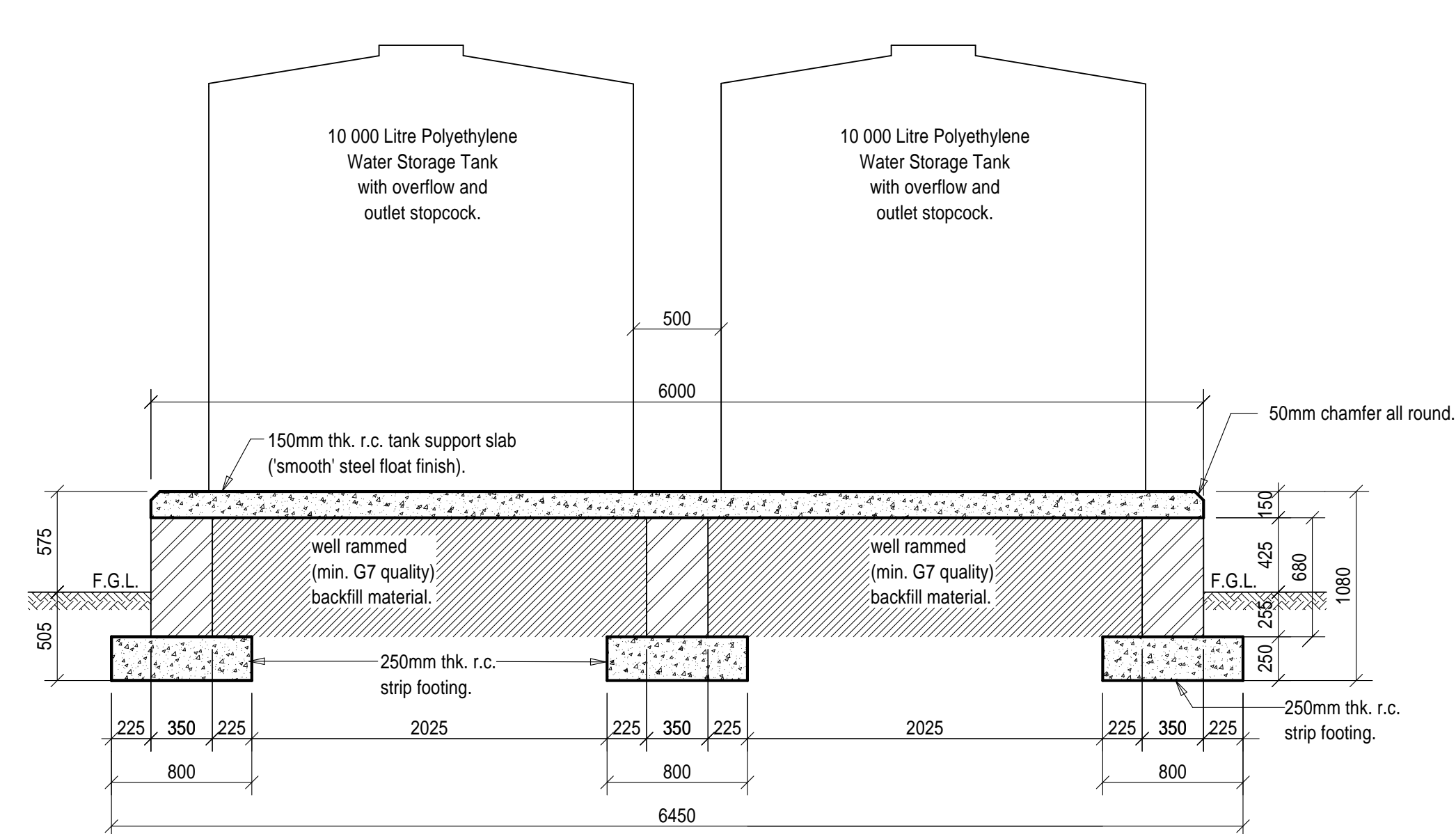


PLAN ON TANK SUPPORT SLAB

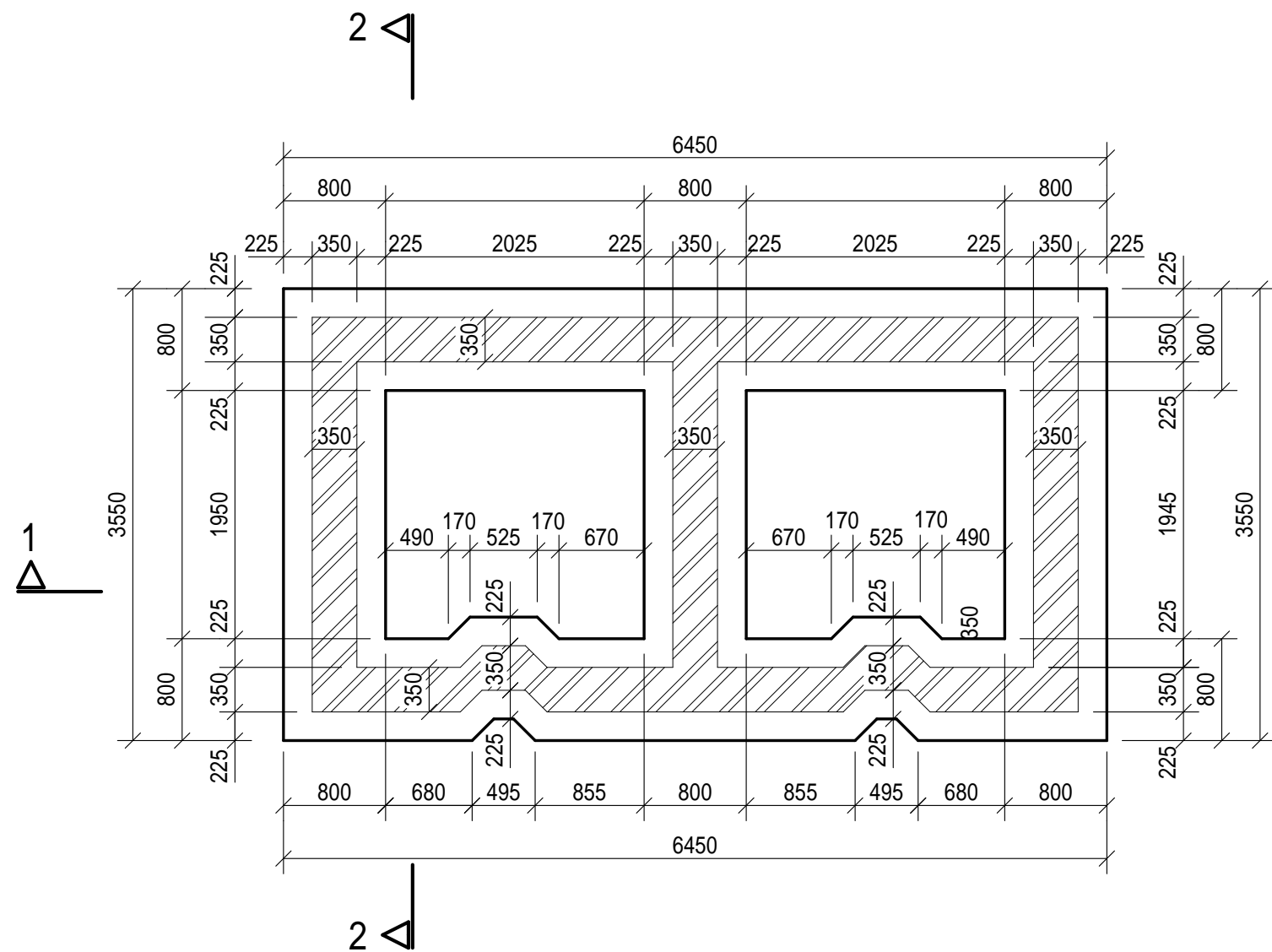
- Notes:
1. See Civil Engineer's layout for location of water tank support structure.
 2. All foundation excavations to be compacted to a minimum of 93% Mod AASHTO prior to concrete being cast. Compaction test results are to be submitted to the engineer prior to casting of concrete.
 3. All concrete to be minimum 25 MPa concrete strength at 28 days.
 4. Minimum 7 MPa NFX brickwork in class 2 mortar.
 5. All brick walls are 220mm wide with brickforce built in every course with 150mm wide x 2,8mm thk. NHBRC Galvanised Brickforce.

Polyethylene Water Storage Tank – 'Strapping' Down Specifications

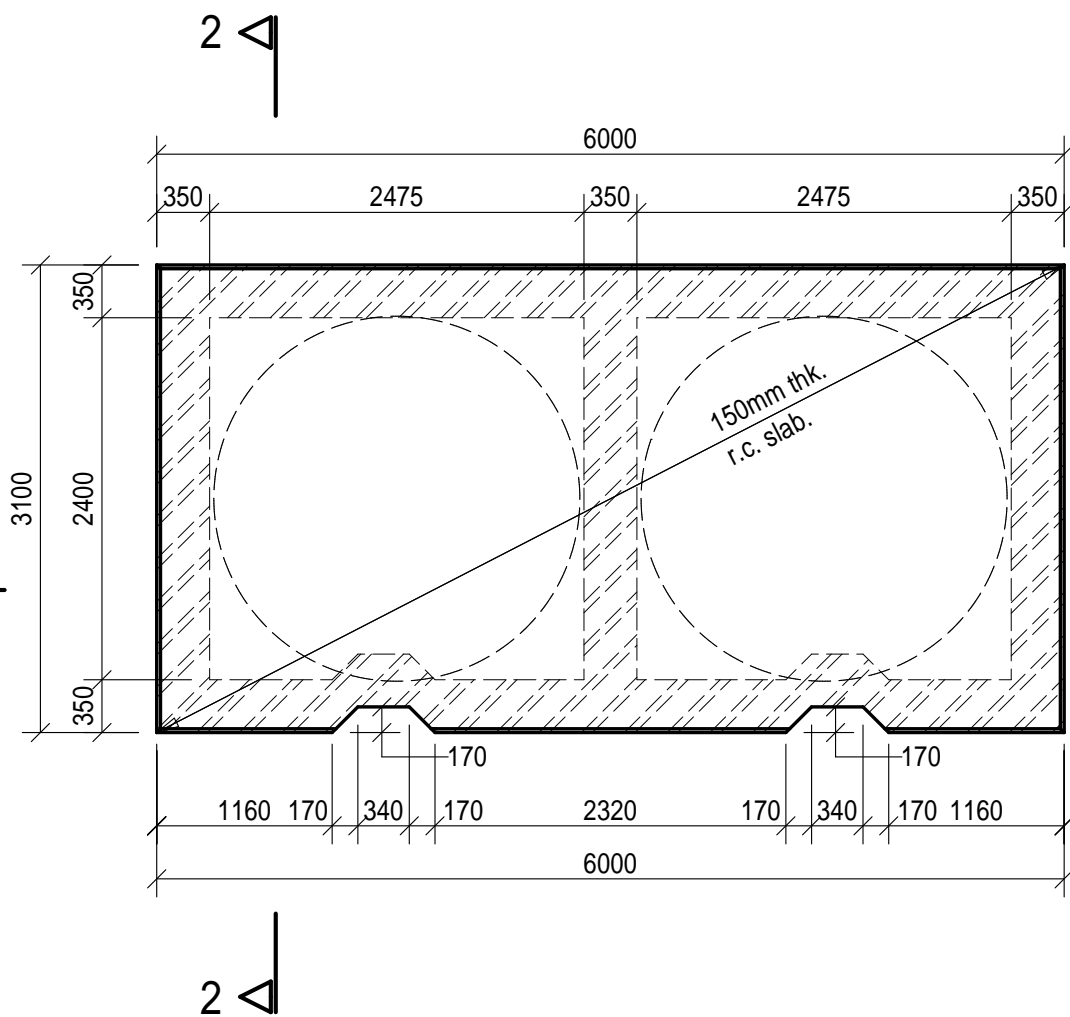
All water storage tanks are to be strapped down (at each of the 4 stubs on top of the tank) to the concrete tank support slab with 2 no. off 4mm diameter fully galvanized stay wires (allow for 'turnbuckles' to tighten each of the 'double strap' stay wires). Each of the 'double strap' stay wires are to be tied to a M12 eye bolt of which is to be drilled and fixed to the 4 corners of the concrete tank support slab. The specification for the eye bolt is as follows : galvanised mild steel - M12 eye bolt with 25mm eye inside diameter and with 80mm long shank.



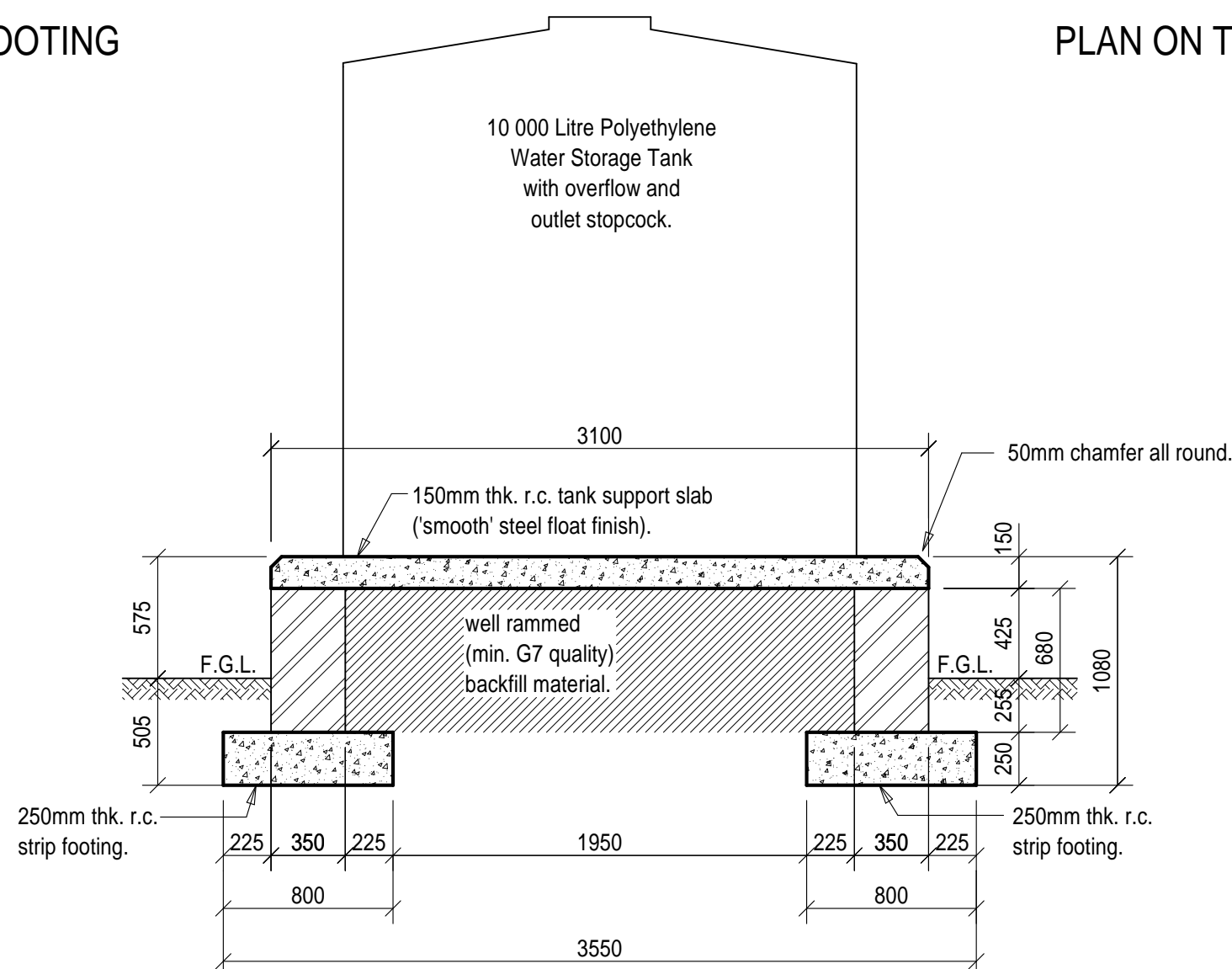
SECTION 1 - 1



PLAN ON STRIP FOOTING



PLAN ON TANK SUPPORT STAND



SECTION 2 - 2

10 000 Litre Water Tank Support Structure

Polyethylene Water Storage Tank – 'Strapping' Down Specifications

All water storage tanks are to be strapped down (at each of the 4 stubs on top of the tank) to the concrete tank support slab with 2 no. off 4mm diameter fully galvanized stay wires (allow for 'turnbuckles' to tighten each of the 'double strap' stay wires). Each of the 'double strap' stay wires are to be tied to a M12 eye bolt of which is to be drilled and fixed to the 4 corners of the concrete tank support slab. The specification for the eye bolt is as follows : galvanised mild steel - M12 eye bolt with 25mm eye inside diameter and with 80mm long shank.

- Notes:
1. See Civil Engineer's layout for location of water tank support structure.
 2. All foundation excavations to be compacted to a minimum of 93% Mod AASHTO prior to concrete being cast. Compaction test results are to be submitted to the engineer prior to casting of concrete.
 3. All concrete to be minimum 25 MPa concrete strength at 28 days.
 4. All 350mm wide brickwalls are 7 MPa NFX brickwork in class 2 mortar with brickforce built in everycourse with 230mm wide x 2,8mm thk. NHBRC Galvanised Brickforce.

REVISION SCHEDULE			
NO.	DATE	DESCRIPTION	REV. BY
T1	08/10/2024	FOR TENDER	M.X.

DEPARTMENT OF HEALTH:	
INFRASTRUCTURE DEVELOPMENT	
CHIEF ENGINEER: MR E. CHIRO: CIVIL / STRUCTURAL	
SIGNATURE	DATE
PROJECT MANAGER: MR T. DLAMINI	
SIGNATURE	DATE
CLIENT DEPARTMENT SIGNATURES:	
FACILITY STAMP:	

FACILITY MANAGER:	DATE
INFRASTRUCTURE MANAGER:	DATE
GENERAL MANAGER:	DATE
CHECKED BY CONSULTANT:	
NAME: B.X. RAMAN (PrEng 202001095)	
SIGNATURE	DATE

CONSULTANT:	
SUITE 106 ESSENVIEW BUILDING STRATHMORE PARK 305 MUSGRAVE ROAD DURBAN 4001 TEL: +27 31 309 5831 . FAX: +27 31 309 2929 email: admin@mapafrica.co.za . www.mapafrica.co.za	



MIDLANDS REGION	
PROJECT:	
WIMS No. : 066058 DRIEFONTEIN CLINIC SEWER TREATMENT PLANT UPGRADE	

DRAWING DESCRIPTION:			
5000 Litre and 10 000 Litre WATER TANK SUPPORT STRUCTURE STRUCTURAL LAYOUT & DETAILS			
SCALE: 1:50 1:30	DATE: 08/10/2024	DRAWN BY: Y.R.	CHECKED BY: M.N.
CONSULTANT DRAWING NUMBER: 484 / 300			REVISION: T1
DOPW DRAWING NUMBER:			
WIMS NO/066058/STR/300			
STAMPED BY PLANS APPROVAL COMMITTEE:			

FOR TENDER