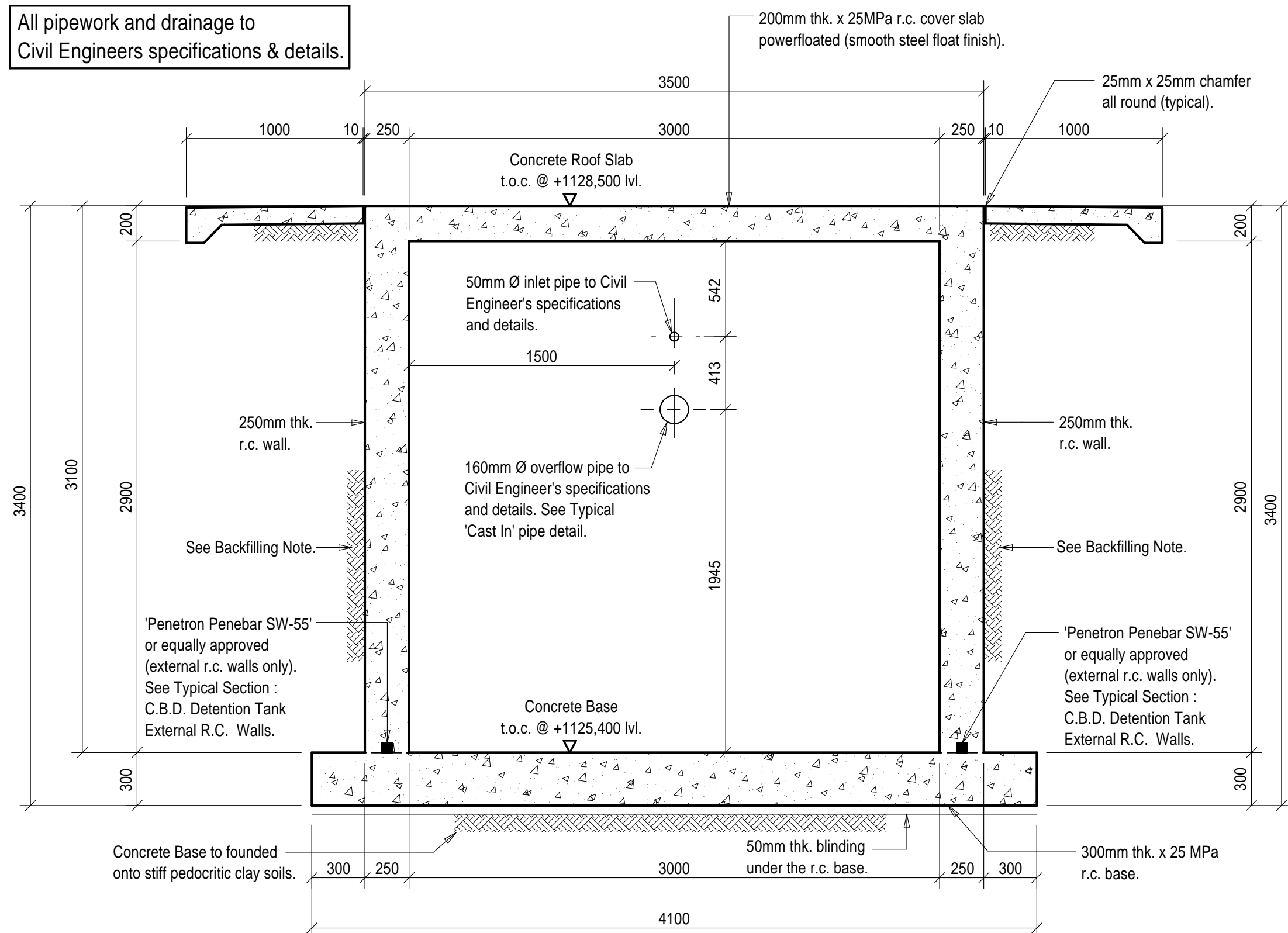
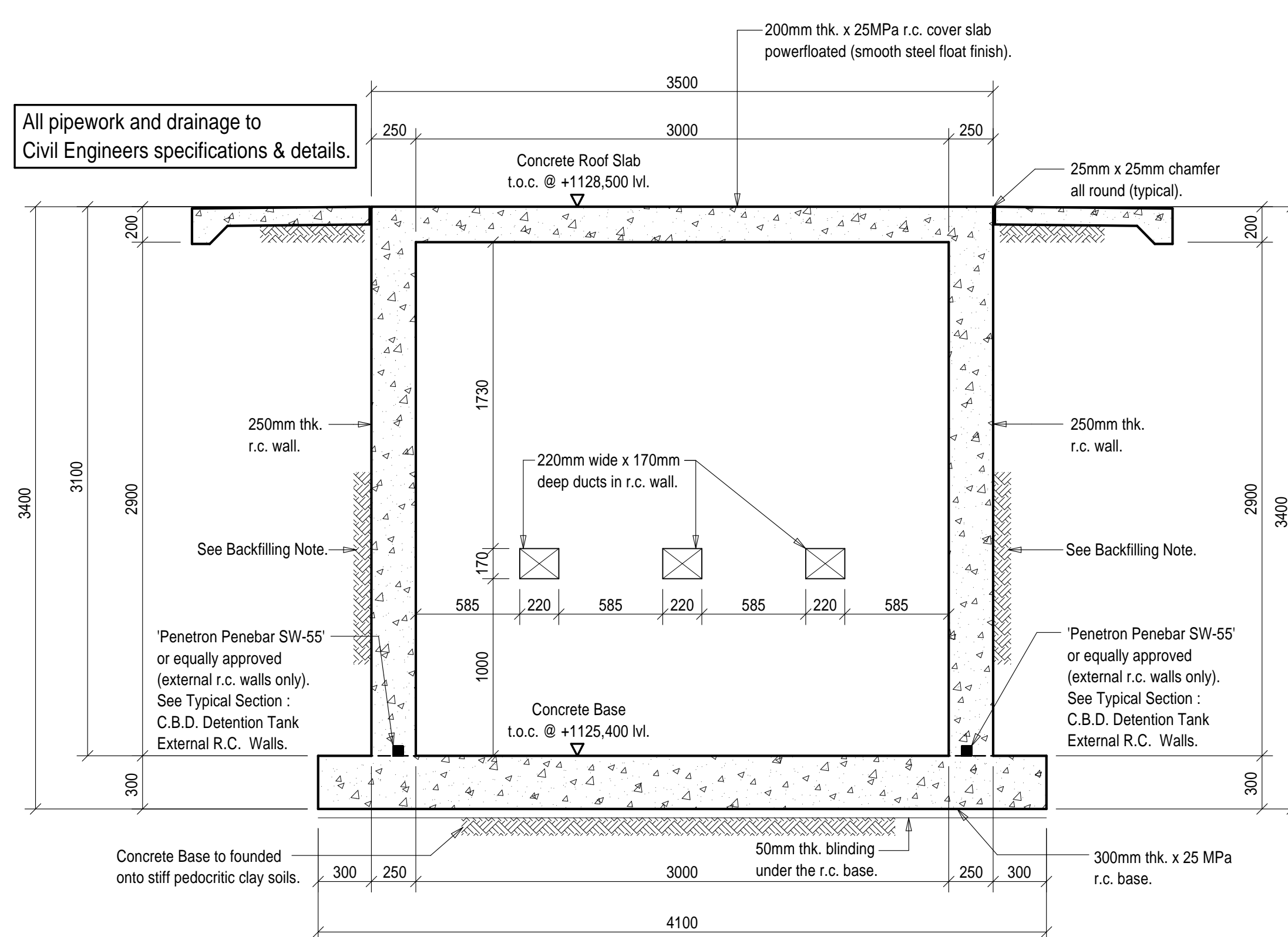


All pipework and drainage to
Civil Engineers specifications & details.



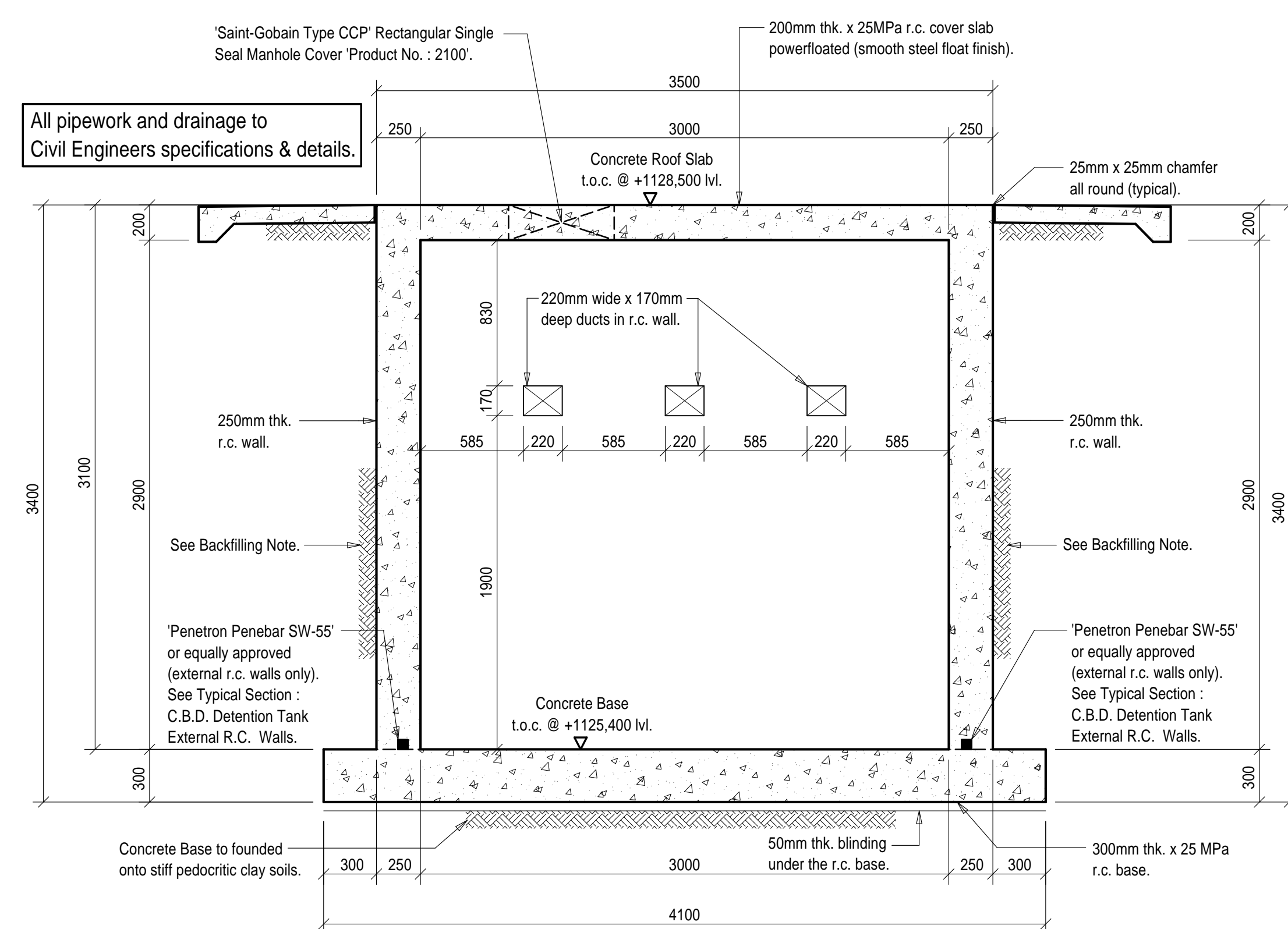
SECTION 2 - 2

All pipework and drainage to
Civil Engineers specifications & details.



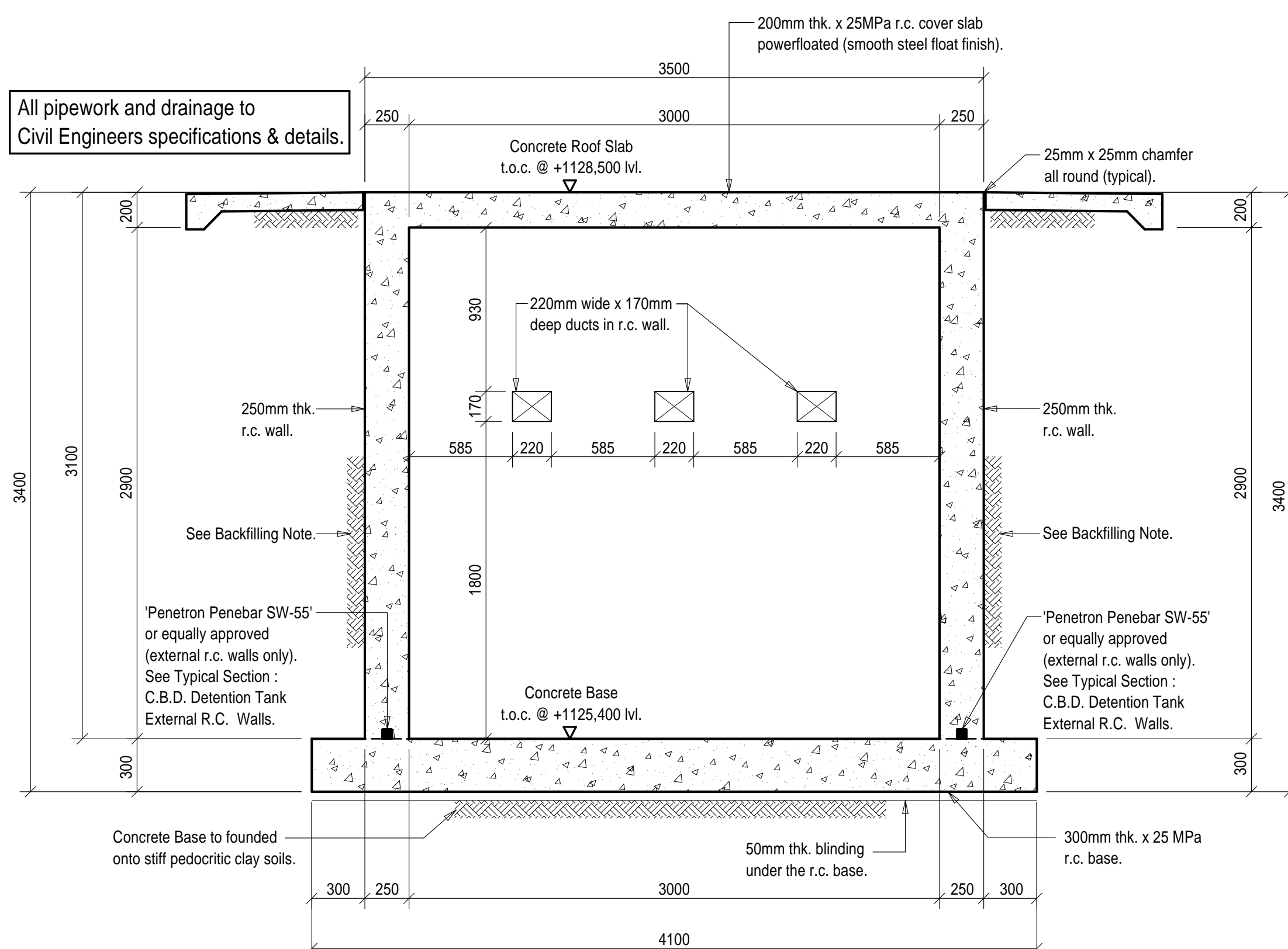
SECTION 3 - 3

All pipework and drainage to
Civil Engineers specifications & details.



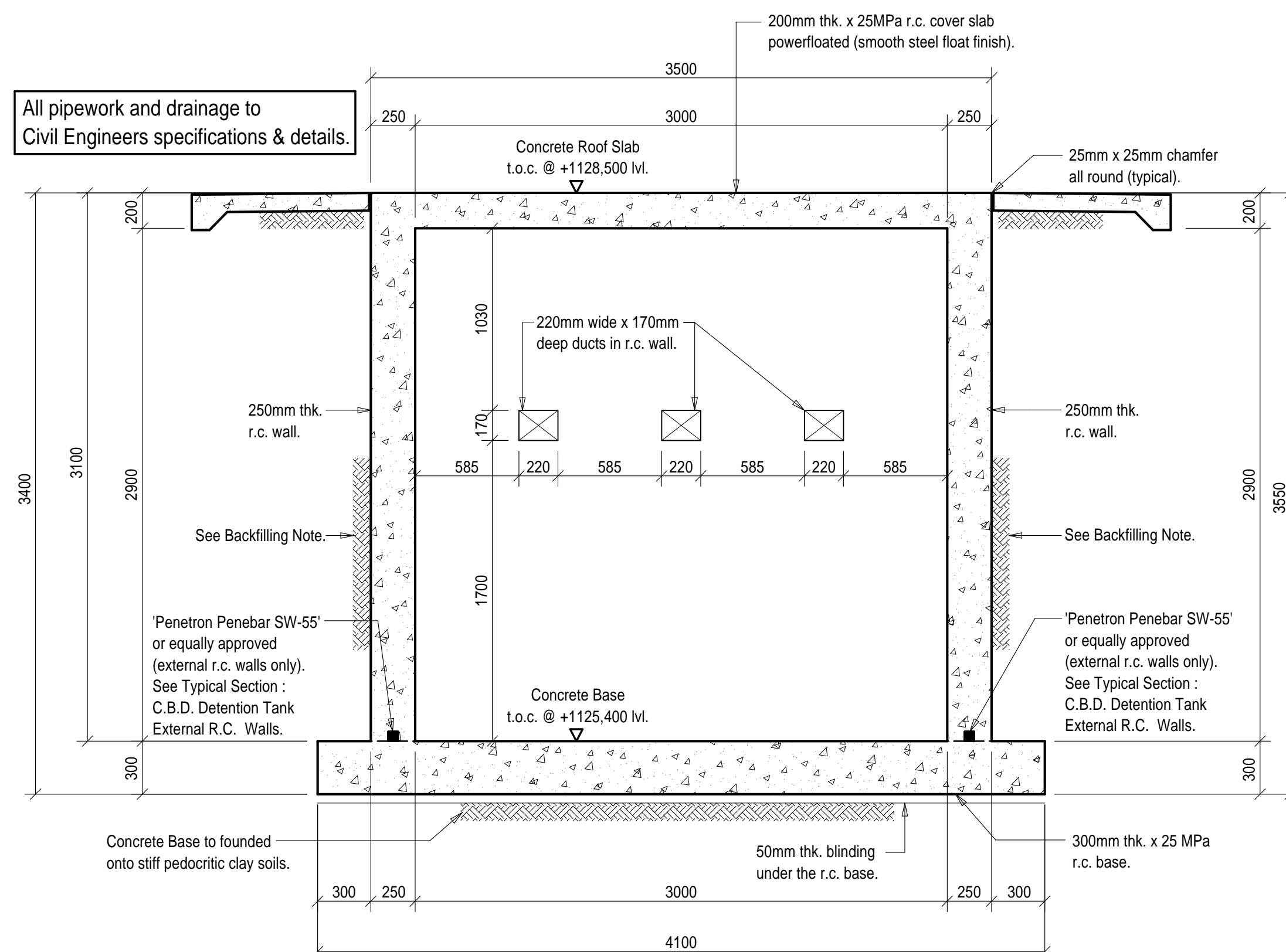
SECTION 4 - 4

All pipework and drainage to
Civil Engineers specifications & details.



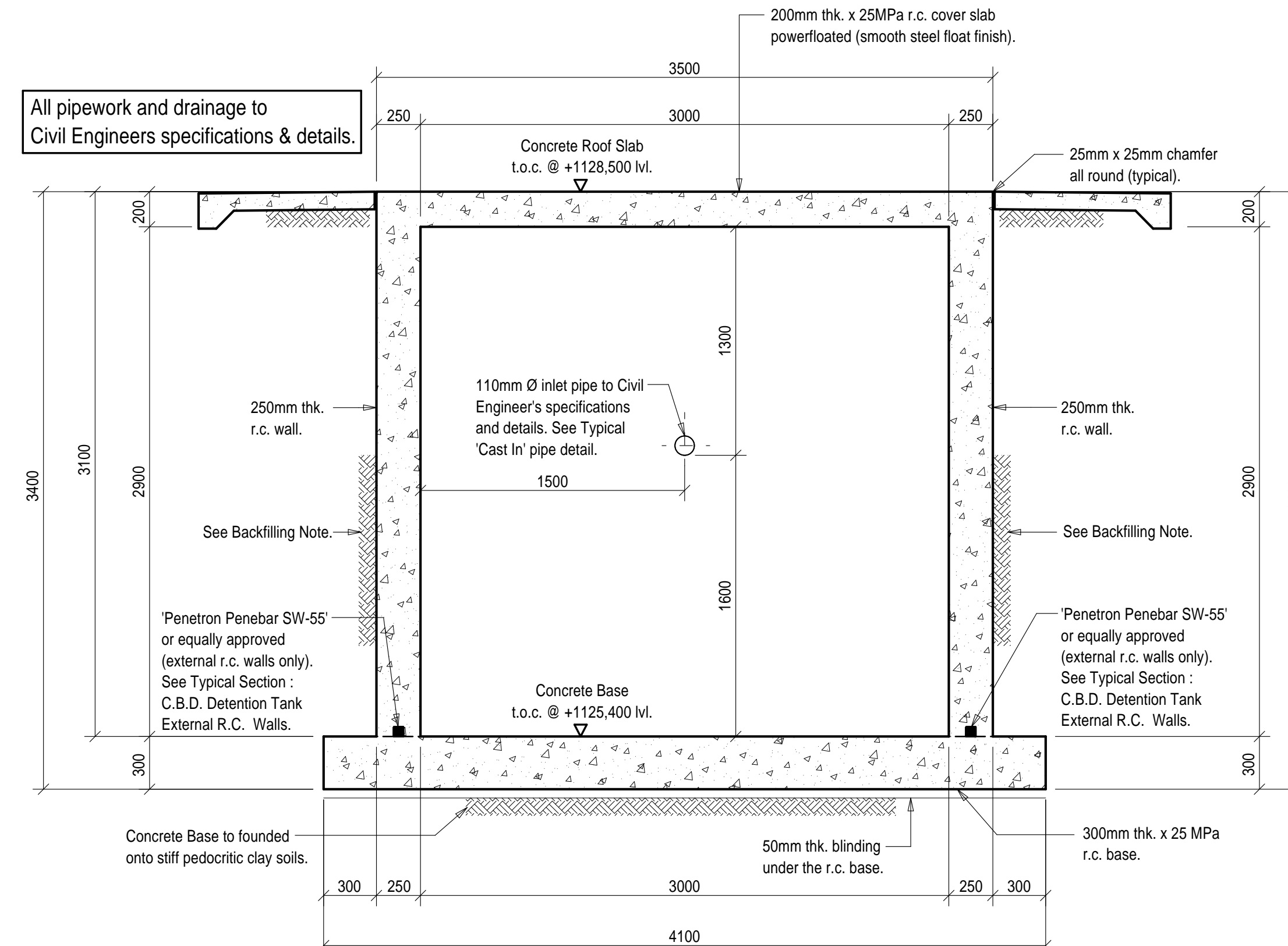
SECTION 5 - 5

All pipework and drainage to
Civil Engineers specifications & details.



SECTION 6 - 6

All pipework and drainage to
Civil Engineers specifications & details.



SECTION 7 - 7

General Notes :

1. All levels and dimensions to be checked on site.
2. This drawing is to be read in conjunction with the Architectural drawings.
3. All concrete work is to comply with SABS 1200G.
4. Concrete Class :-
 - a) Placaps & Ground Beams = 25 MPa
 - b) Strip Footings & Bases = 25 MPa
 - c) Columns, Shear Walls & Lift Shaft Walls = 30 MPa
 - d) Slabs, Beams & Staircases = 25 MPa
 - e) Retaining Walls = 25 MPa
 - f) Surface Bed Slabs = 25 MPa
 - g) Raft Slabs = 25 MPa
 - h) Raft Slab Ground Beams = 25 MPa
 - i) Blinding = 10 MPa
5. Cover to reinforcement :-
As indicated on drawings.
6. All foundation excavations are to be inspected by the Engineer prior to casting of concrete.
7. All reinforcing fixing is to be inspected by the Engineer prior to casting of concrete.
8. Six concrete cubes to be taken per pour. Three cubes to be tested at seven days, the remainder at twenty eight days. The results are to be forwarded to the Engineer for review and approval.
9. The Contractor is to construct a blinding layer if soil conditions result in reinforcement cover not being maintained.
10. All structural concrete is to be cured for a minimum of five days.
11. All concrete plaster and brickwork plaster interfaces to receive V-joints.
12. The Engineer requires 24 hours notice for all inspections.

REVISION SCHEDULE			
NO.	DATE	DESCRIPTION	REV. BY
1	08/10/2024	FOR TENDER	S.N.

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

CHECKED BY CONSULTANT:
NAME: B. X. RAMAN (PENG 2020011095)
DATE: 07/12/2023

CONSULTANT:
SUITE 106
ESSHWE 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



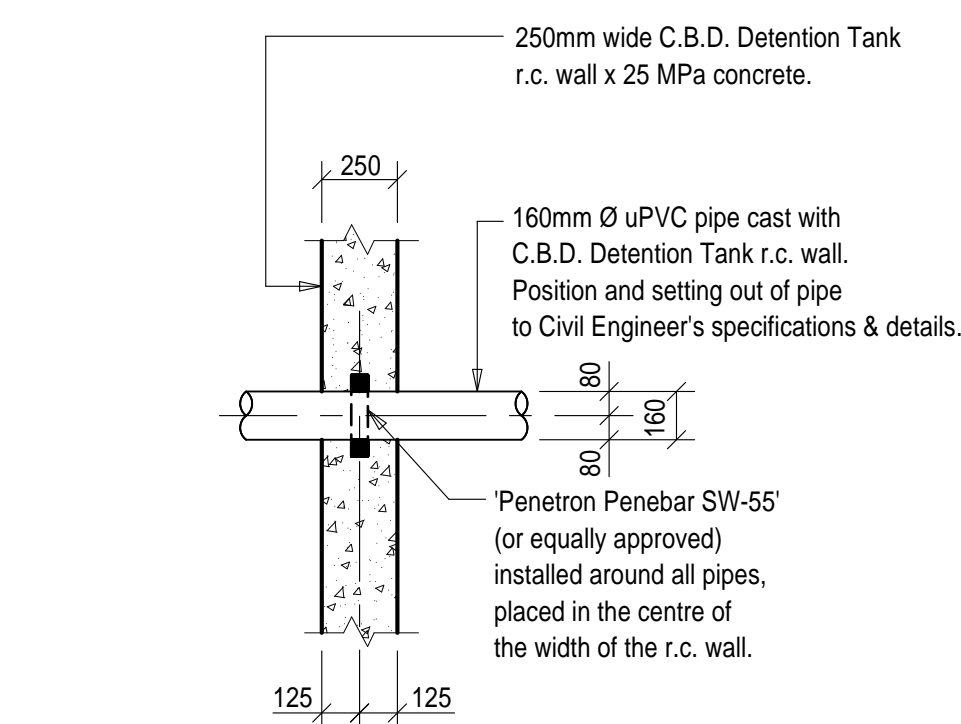
MIDLANDS REGION
PROJECT:
WIMS NO. : 066058
DRIEFONTEIN CLINIC
SEWER TREATMENT PLANT UPGRADE

DRAWING DESCRIPTION:
C.B.D. DETENTION AND TREATMENT TANK
STRUCTURAL SECTIONS & DETAILS
SHEET : 2 of 2

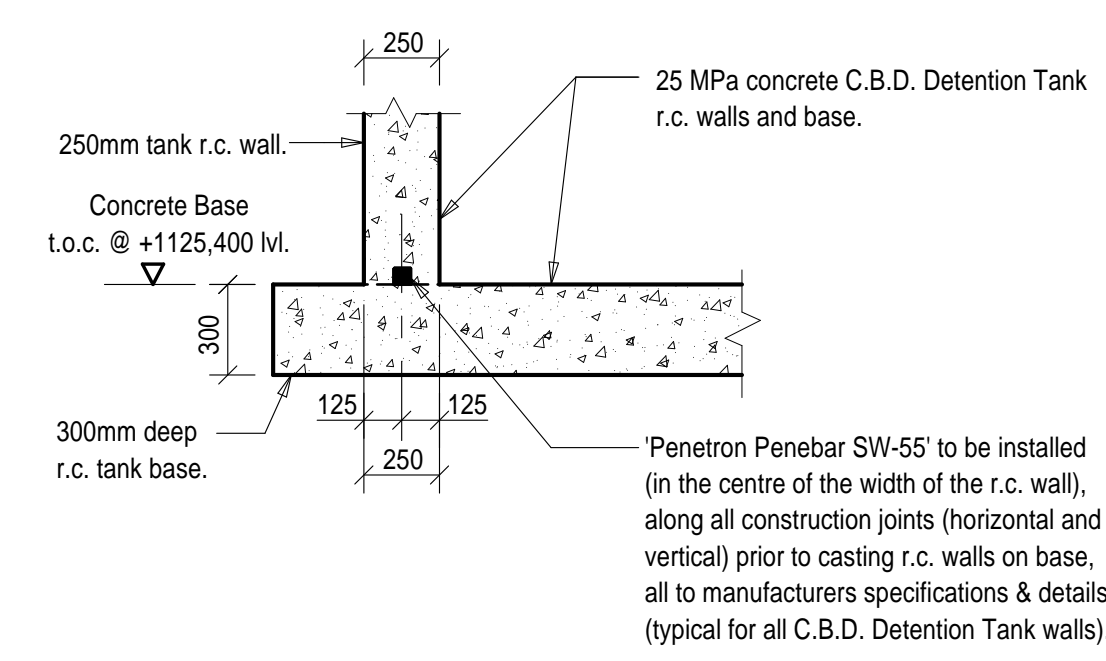
SCALE: 1:50 1:25	DATE: 08/10/2024	DRAWN BY: Y.R.	CHECKED BY: M.N.
CONSULTANT DRAWING NUMBER: 484 / 302			REVISION: T1

DOPW DRAWING NUMBER:
WIMS NO/066058/STR/301
STAMPED BY PLANS APPROVAL COMMITTEE:

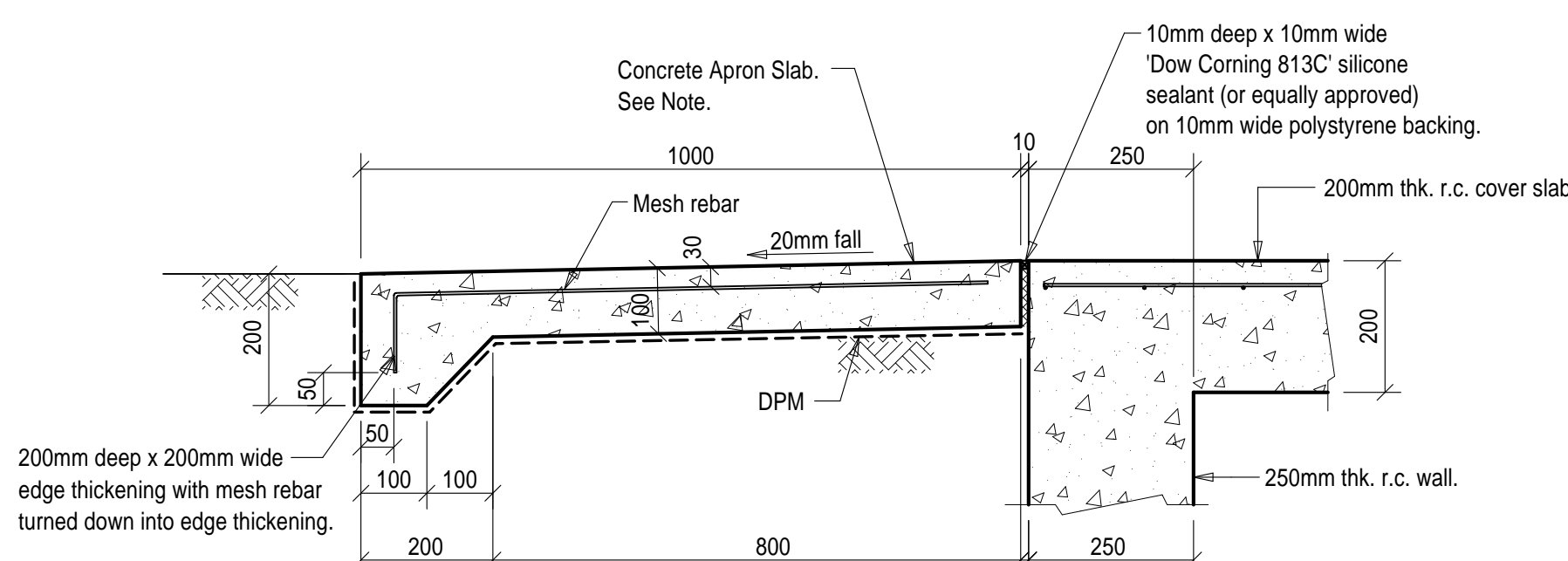
FOR TENDER



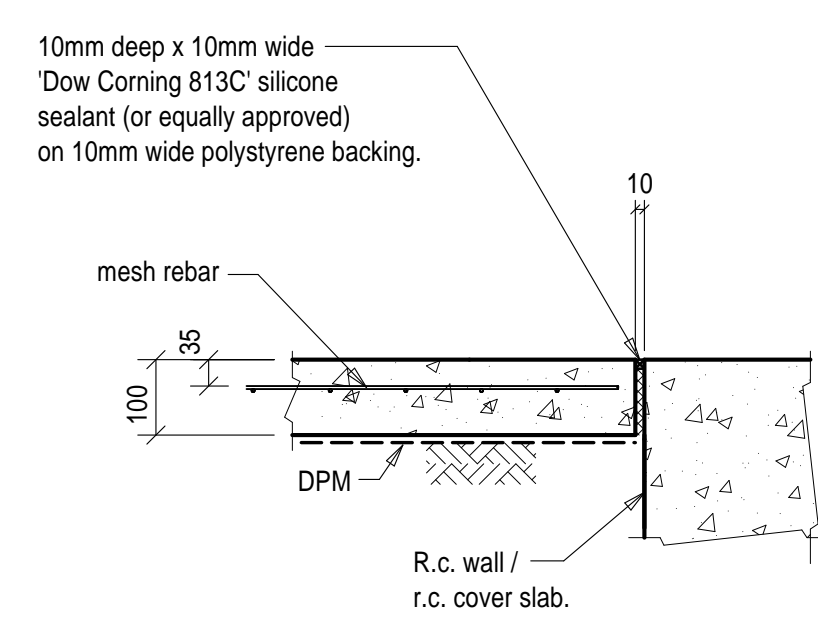
PLAN
C.B.D. DETENTION TANK R.C. WALLS
CAST-IN PIPE DETAIL



TYPICAL SECTION
'PENEBAR' INSTALLATION DETAIL
C.B.D. DETENTION EXTERNAL TANK R.C. WALLS



CONCRETE APRON SLAB DETAIL



TYPICAL ISOLATION
JOINT DETAIL (I.J.)
FOR CONCRETE APRON SLAB

Backfilling Note :
Backfilling behind the wall is to
take place only after the concrete
cover slab has been cast.

Note :
Setting out and location of tank
on site to Civil Engineer's
specifications and details.

Concrete Apron Slab Note :
100mm thk. x 25 MPa concrete apron slab (smooth steel float finish)
with 200mm deep x 200mm wide edge thickening reinforced with
Mesh Ref. 193 placed 35mm cover from the top of the slab on
250µm SABS approved DPM laid to a fall, cast in alternate panels
of max. 2000mm on fill compacted to 95% Mod AASHTO.

Note : 10mm wide Isolation Joint (I.J.) :
1. 10mm wide Isolation Joint (I.J.) between
the r.c. cover slab / r.c. walls
and r.c. apron slab.
2. See Typical Isolation Joint (I.J.) Detail.