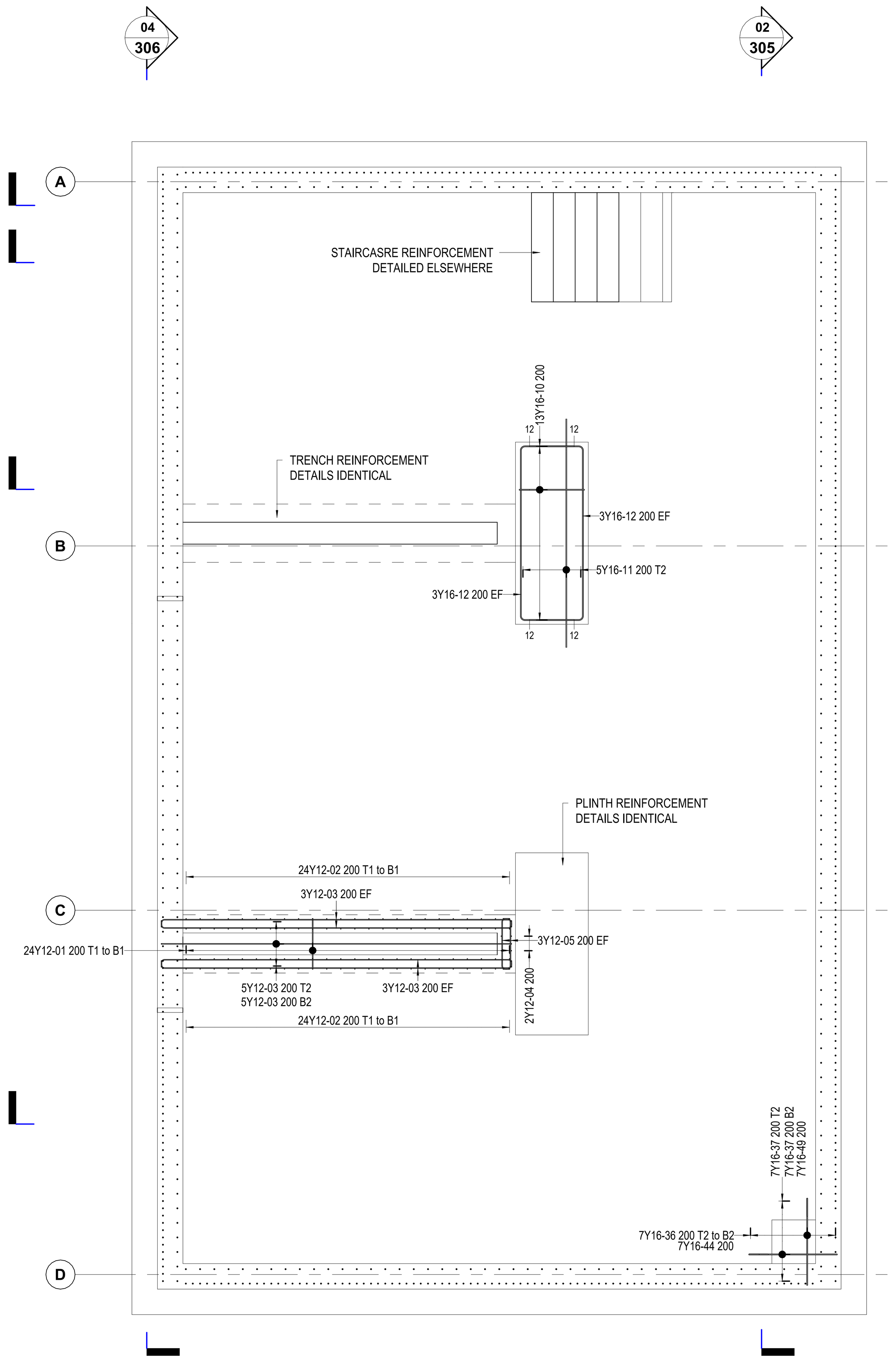
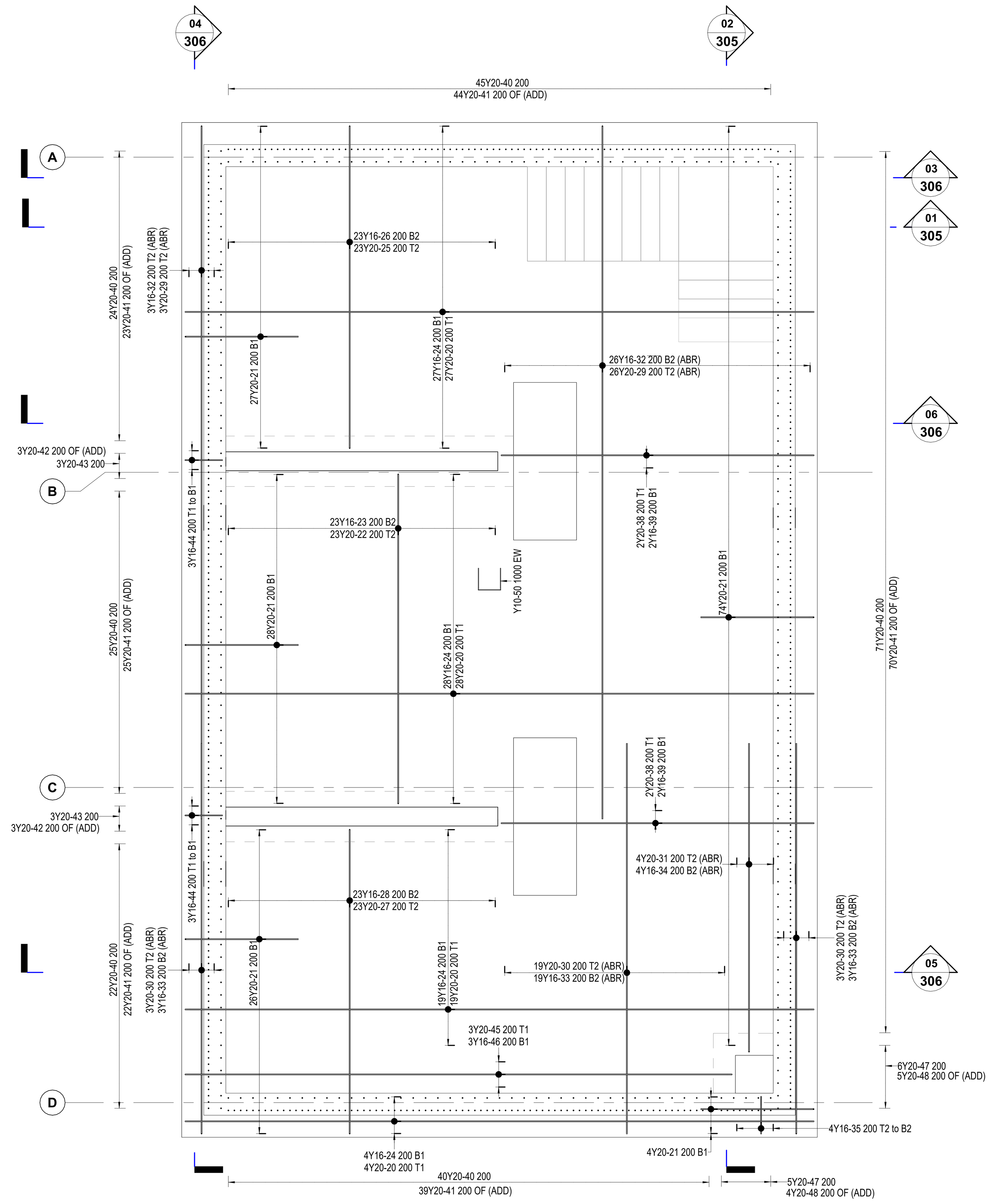
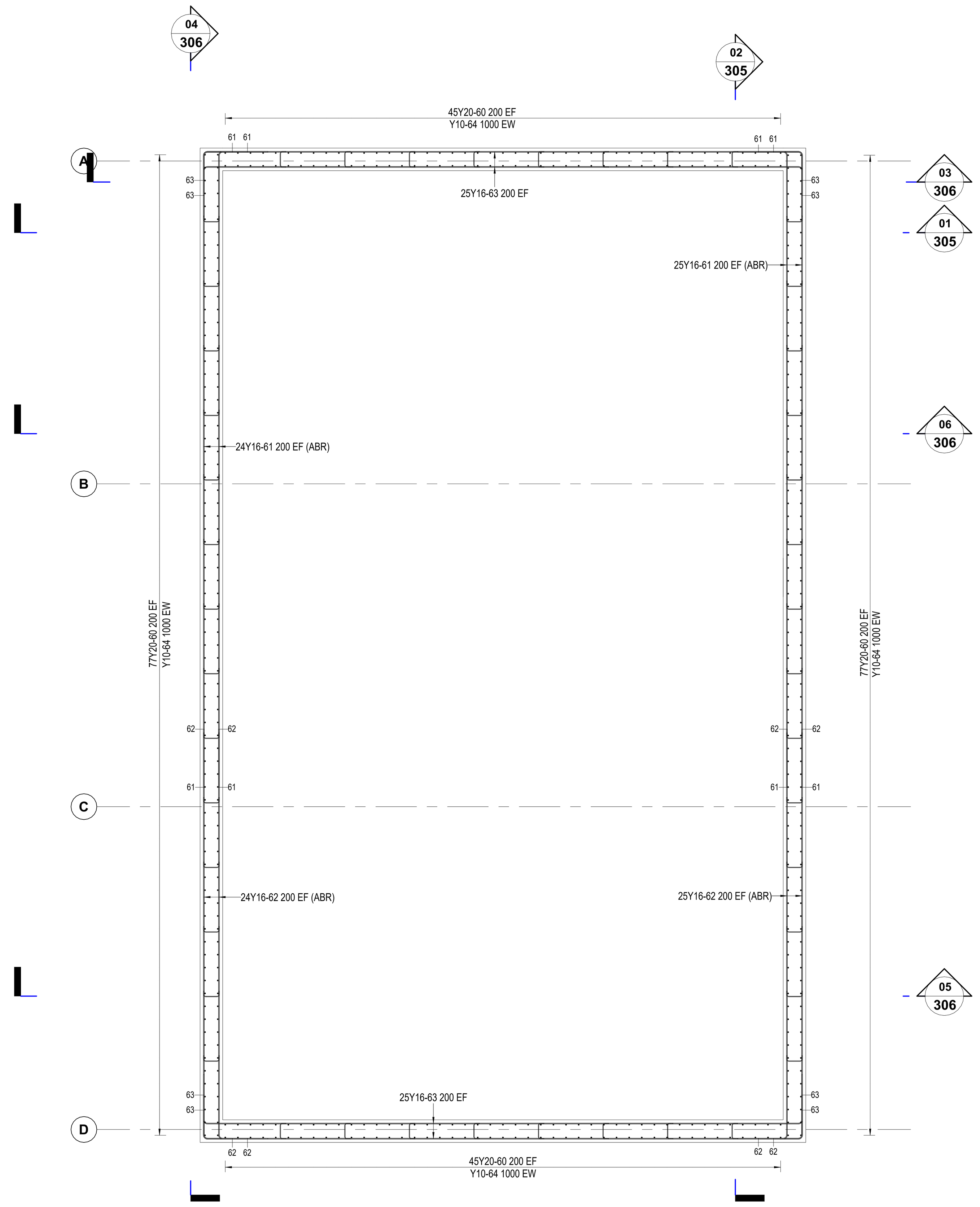


FLOOR SLAB TRENCH - REINFORCEMENT
SCALE 1 : 50



FLOOR SLAB - REINFORCEMENT
SCALE 1 : 50



WALLS - REINFORCEMENT
SCALE 1 : 50

REINFORCEMENT NOTES:

1. ALL DIMENSIONS ARE MILLIMETERS UNLESS OTHERWISE SHOWN.
2. ALL LEVELS ARE IN METERS ABOVE MEAN SEA LEVEL.
3. CONCRETE COVER TO REINFORCEMENT
   - A. RAFT FOUNDATION = 50 mm
   - B. WALLS = 50 mm
   - C. COLUMNS = 50 mm
   - D. BEAMS = 50 mm
4. MINIMUM LAP LENGTHS FOR REINFORCEMENT SHALL BE 50 x BAR DIAMETER UNLESS OTHERWISE SHOWN
5. TYPES OF REINFORCEMENT SHALL BE AS FOLLOWS:
   - Y - DEFORMED HIGH TENSILE STEEL BAR, MIN YIELD STRESS = 450 MPa
6. TOTAL NO. OF STOOLS AND CLIPS AS SHOWN IN BENDING SCHEDULE. STOOLS SHALL REST ON THE BOTTOM 1 (B1) POSITION SUPPORTING REINFORCEMENT IN THE TOP 2 (T2) POSITION.
7. REINFORCEMENT AROUND PIPE OPENINGS TO BE CUT TO FIT(CTF) ON SITE. SPACING REBAR TO AVOID PIPES WILL BE ALLOWED, PERMITTED THE MAXIMUM SPACING DOES NOT EXCEED 200 mm c/c AND INTENDED COVER TO REINFORCEMENT IS MAINTAINED

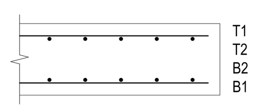
ABBREVIATION

NF - NEAR FACE	T - TOP
FF - FAR FACE	B - BOTTOM
EF - EACH FACE	IF - INSIDE FACE
EW - EACH WAY	OF - OUTSIDE FACE
CTF - CUT TO FIT	POB - PULL OUT BARS
U - U-BARS	ABR - ALTERNATIVE BAR REVERSED
CJ - CONSTRUCTION JOINT	ALT - ALTERNATE

EXAMPLE OF REBAR TAG

20Y16-01-200 T1

20 - NUMBER OF BARS
Y - TYPE OF REINFORCEMENT
16 - DIAMETER (mm)
01 - BAR MARK NUMBER
200- SPACING C/C (mm)
T1 - PLACING DESCRIPTION (SEE BELOW)



▶ 01 - START/END OF BAR

Rev.	Date	Description	Des.	Verif.	Appd.

VHEMBE DISTRICT MUNICIPALITY
PRIVATE BAG X 5006
THOHOYANDOU
LIMPOPO
0950
TEL: 015 960 2000

CONCEPTUAL ENGINEERS (Pty) Ltd
Rhodesdrift Office Park
23 Rhodesdrift Road, Bendor
Polokwane 0699
Tel:
Email:

Drawn: MR	Date
Checked: SN	Date
Designed: MR	Date
Verified: MR	Date
Approved: SN	

Client: **VHEMBE DISTRICT MUNICIPALITY**

Project: **CONSULTANT FOR NANDONI RWS (CONSTRUCTION OF BULK WATER SUPPLY PIPELINE, STORAGE RESERVOIR, GRAVITY MAIN AND CONNECTION TO EXISTING SYSTEM AT MPHAMBO, MPHAMBO EXTENSION, XIGAMANE, AND MUSWANE VILLAGES)**

Title: **PHASE 1 MAVAMBE BULK PUMPING SYSTEM : POTABLE WATER PUMPSTATION REINFORCEMENT - SHEET 1 OF 4**

Status: INFORMATION / TENDER (selected) / CONSTRUCTION / AS-BUILT

Datum	Date	Scale	Size
AMSL		AS SHOWN	A0

175-PH1-WPS- 304

Revision